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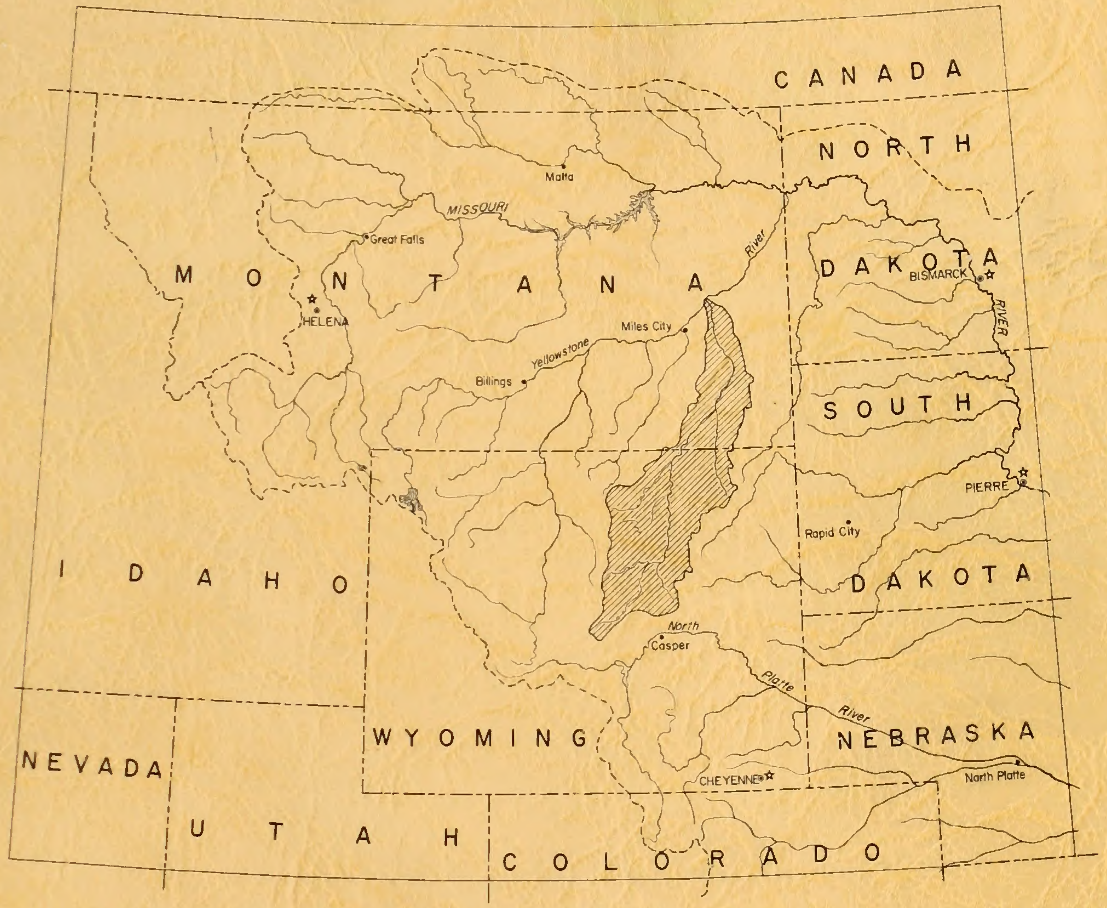
OF THE
PUBLIC DOMAIN LANDS
IN THE
POWDER RIVER BASIN



MONTANA - WYOMING
A MISSOURI RIVER BASIN INVESTIGATION
(For Administrative Use Only)

United States Department of the Interior

Bureau of Land Management

Area III - Denver, Colorado

June 1956

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Land Planning and Classification Report of the Public Domain Lands

in the

POWDER RIVER BASIN

MONTANA AND WYOMING

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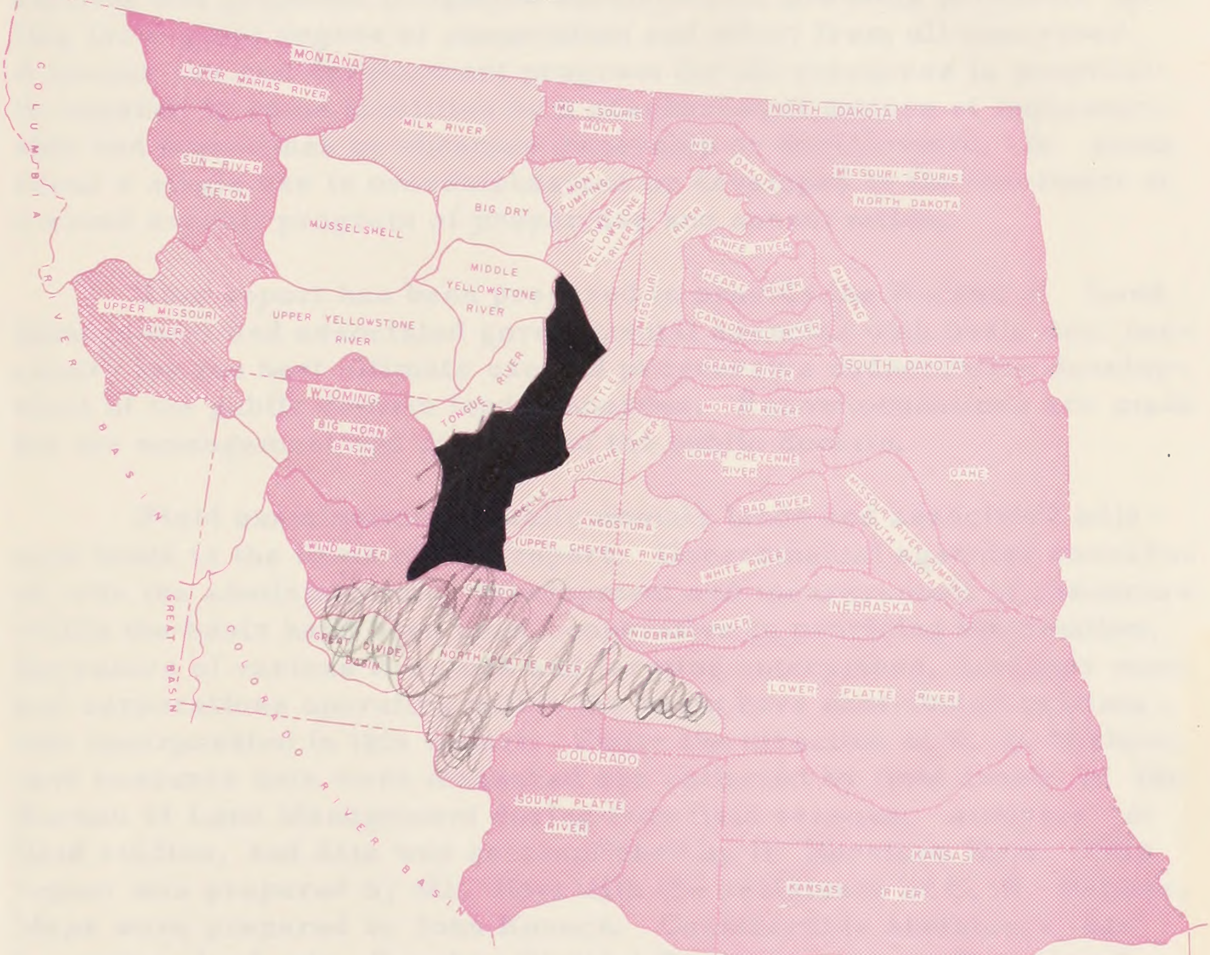
This report was compiled as a feature of the program of the Department of the Interior for the development of the resources of the Missouri River Basin

PRESENT STATUS OF BUREAU OF LAND MANAGEMENT STUDIES IN THE MISSOURI RIVER BASIN (LAND CLASSIFICATION)

JUNE 30, 1956



PRELIMINARY REPORTS PUBLISHED ▨

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THIS REPORT ■

TRANSMITTAL AND ACKNOWLEDGEMENT

Powder River Basin contains most of the resources and enterprises of the great plains and mountain west. Climate and problems vary from those of arid near-desert badlands and plains to those of sub-humid mountains. Conservation of land and water resources for existing and proposed irrigation developments presents problems calling for a great degree of cooperation and effort from all concerned. A proper use and development program for all resources is potentially impeded in some localities by a checkerboard pattern of landownership and sometimes by absentee ownership or development. In some areas a single use is overemphasized or developed to the detriment of a sound overall program of proper use and conservation.

This report has been prepared to provide the Bureau of Land Management and associated governmental agencies with basic data necessary for the best ultimate use and progressive conservation development of the public domain land resources. Recommendations are made for the management and disposal of the public domain.

Field examination of public domain lands and associated adjacent lands is the basis of this report. Governmental agencies concerned with the administration, development and measurement of resources within the basin have been most cooperative in providing information. Operators of various livestock and farming enterprises, business men and corporations operating within the basin have contributed information incorporated in this report. Under the direction of R. D. Nielson, land resource data were measured and collected by field crews of the Bureau of Land Management during four field seasons. Analysis of field studies, and data was accomplished by H. Harrison Hoyt. This report was prepared by Mr. Hoyt with the assistance of C. R. Peteler. Maps were prepared by John Kovacs. Considerable assistance has been given by Luster Brooks, District Range Manager, Wyoming 2, and Tom Dudley, District Range Manager, Montana 3. The Montana and Wyoming State Offices of the Bureau of Land Management and their staff members have contributed to the data presented herein. These studies are directed by Mr. Harold T. Tysk, Lands Officer, Bureau of Land Management, Area 3, Denver, Colorado.

This field investigation and report was made as a tributary basin study by the Bureau of Land Management as a contribution to the overall coordinated program of the Department of the Interior for the ultimate maximum development of the Missouri River Basin. Similar studies

have been made for other tributary river systems within the Missouri River Basin, and others have been initiated. The tributary river basins for which reports have been completed by the Bureau of Land Management are shown on the Status of Studies map which is the frontispiece of this report.

W.B. Wallace

Area Administrator

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INTRODUCTION

Proper conservation of the surface resources of Powder River Basin is important for protection of the Garrison Reservoir and for proper development and use of the proposed Moorhead Reservoir and related irrigation development. Powder River is an important source of sediment contributing to the Yellowstone River and detracting from the capacity of the Garrison Reservoir. The Powder River Basin within Wyoming is the watershed for Moorhead Reservoir site, with the exception of the Little Powder drainage which enters the main stream below the dam site. Proper conservation use of the lands of Powder River Basin will also contribute to the maximum sustained development of the basin and will promote the economy of the area and contribute to the national welfare.

The purpose of the studies presented in this report is to inventory and analyze the lands and resources administered by the Bureau of Land Management within the basin. Associated State and private lands have also been considered. Problems posed by these lands and by the use and development of their resources are presented. This publication is based upon detailed field examination and mapping of the land, its condition, potentials, resources and problems. Results of this field inventory and subsequent compilations are presented herewith in narrative and tabular form. The maps present the inventory findings in sites on a landownership status and culture base.

Powder River Basin is a varied region ranging from high mountains to rolling plains, breaks and badlands. The beauty of the Big Horn Mountains with their lofty crags and clear streams attract thousands of local and distant visitors every summer. Out in the basin, the mountain streams are used to irrigate valley and bench lands. Oil fields are important features in the upper part of the basin. Over 96 percent of the area is grazing land or forest, a lonely area peopled only by the cowpoke and sheep herder.

The preliminary land planning and classification report for the Powder River Basin was published by the Bureau of Land Management, Region III, in March, 1949. That report identified problems relating to the public lands. It outlined certain parts of the Basin in which these problems and the relative density of public lands warranted the inclusion of all adjoining lands in the detailed studies needed to determine the best future use and management of the public lands. In other parts of the Basin the need for detailed studies was confined to the

public lands. These detailed resource inventory studies were completed in 1952 in accordance with the plans outlined in the preliminary report. This report presents the results of the resource inventory. Methods used are outlined in Appendix A of this report. The Basin was divided into three sections based on differences in topography, basic resources, land use problems and proposed adjustments as follows:

(1) The Upper Powder Basin, including that part of the Basin drained by Salt Creek, South, Middle and North Forks of the Powder River, and the mountainous headwaters portions of Crazy Woman Creek in Wyoming.

(2) The Middle Powder Basin, including all other portions of the Basin tributary to the proposed Moorhead damsite.

(3) The Lower Powder Basin, including the drainage of the Little Powder River in Wyoming and remaining portions of the Powder River Basin in Montana.

Based on the density of public lands in these principal parts of the Basin, seven detailed study units were designated as shown on the Proposed Land Use and Improvement Map in the map jacket of this report. One study unit is composed of virtually all of the Upper Powder Basin. There are two study units in the Middle Powder Basin, Powder Breaks and Moorhead. The Lower Powder Basin has been divided into four study units, Little Powder, Powderville, Broadus and Mizpah.

The Powder River Basin outside of the seven study units contains only scattered tracts of public domain. These areas have been designated Isolated Tract Classification Areas on the Land Use and Improvements Map with this report. The studies and context of this report deal primarily with the areas of concentrated public domain and related lands within the seven study units. Detailed studies in the Isolated Tract Classification Areas outside of the seven study units were limited to the public domain lands. Each isolated tract of public domain in the Isolated Tract Classification Areas was examined in detail and classified. The results of this work are presented in Table 6 and are summarized in Table 7.

This report and the accompanying maps present the findings of the detailed studies. Principal plants, types of vegetation, their

condition and recommended carrying capacity in acres per animal unit month, are shown in site on the Vegetation, Capability, Erosion and Carrying Capacity Map. This map also shows land use capability as well as type and extent of erosion as defined in Appendices C and D, respectively. Landownership status and pertinent culture are also shown. The maps are printed in three sheets, one for Montana and two for Wyoming.

Relationships between the various classes of land ownership and the relative merits of present use and management are discussed in the report. Adjustments in use and management are proposed where needed as shown on the Proposed Land Use and Improvements Map, in accordance with sound land management principles. Structual improvements are also shown on this map which is printed on three sheets, one for Montana and two for Wyoming. This map is in the Map Appendix with this report.

The resource inventory results and recommendations are presented in six tabulations as shown in the list of tables. The three figures present the geology and mineral resources of the basin. Terminology of the inventory results presented on the maps and in the report are explained in four appendices. Appendix B is a guide for determining range condition classes and recommended stocking rates. Appendix C describes and defines land use capability. Appendix D describes and defines soil erosion condition classes. The principal plants of the Powder River Basin are listed in Appendix E.

GENERAL DESCRIPTION

Location and Size

Powder River Basin covers nearly half of northeastern Wyoming and part of southeastern Montana. It extends northward from near Casper, Wyoming, to Terry, Montana, where the Powder River joins the Yellowstone. The Basin includes nearly all of Johnson County and portions of Campbell, Converse, Crook, Natrona, Sheridan and Washakie Counties, Wyoming, and parts of Carter, Custer, Powder River and Prairie Counties in Montana. It is bounded on the south by the North Platte Basin and on the east by the Upper Cheyenne, Belle Fourche, Little Missouri and Lower Yellowstone River basins. Westward are the Wind River, Bighorn and Tongue River Basins. The Powder River Basin drains an area of 13,357 square miles. It comprises about 19 percent of the Yellowstone River drainage and $2\frac{1}{2}$ percent of the entire Missouri River Basin. It is about 275 miles long and has a maximum width of nearly 100 miles, as shown on the maps with this report.

Physiography

About one-tenth of the Powder River Basin lies in the Rocky Mountains and the remainder in the Great Plains. The mountain part, entirely in Wyoming, includes parts of the northern slope of the Rattlesnake Range and the eastern slope of the Big Horn Mountains. Elevations of the plains range from 2,250 feet above sea level at the mouth of the river to about 5,000 feet along the base of the Big Horn Mountains and 6,500 feet at the foot of Rattlesnake Range. Cloud Peak, highest point in the Big Horn Mountains and in the Powder Basin, is 13,165 feet above sea level, but most of the mountain portion lies between 5,000 and 10,000 feet elevation.

Powder River is formed by the junction of the North, Middle, and South Forks a short distance east of Kaycee, Wyoming. Other principal tributaries in Wyoming above Moorhead are Crazy Woman and Clear Creeks on the west side; Dry Fork, Salt, Willow, Pumpkin, Beaver, Dead Horse, Fortification, Wild Horse, Spotted Horse, and Bitter Creeks on the east side. Principal tributaries in the Lower Basin are Little Powder River and Mizpah Creeks. Crazy Woman and Clear Creeks and North and Middle Forks of the Powder River, rising in the Big Horn Mountains, are the only perennial streams in the Basin. Powder River would probably be a perennial stream below Sussex if there were no irrigation use.

Geology

Figure 1 shows the general geology within the boundaries of the Powder River drainage basin. The core of the Big Horn Mountains consists of pre-Cambrian granite, gneiss and schist. The several thousand feet of uplift which formed these mountains and subsequent erosion have exposed this core and the various sedimentary formations flanking it on the east. Differential erosion, particularly of steeply tilted early Paleozoic sedimentary formations of the frontal foothills has exposed characteristic sharp limestone and sandstone escarpments. The high angles of the contacts decrease rapidly in subsequent formations, with only minor undulations discernable towards the basin proper.

Without consideration of alluvial deposits, the sedimentary land mass within the Basin ranges from the Cambrian meta-sediments exposed near the headwaters of Buffalo Creek at the south end of the Big Horn Mountains to the tuffaceous claystone remnants of the Tertiary White River formation exposed on the Pumpkin Buttes.

The basin is readily divided into four major geologic units:

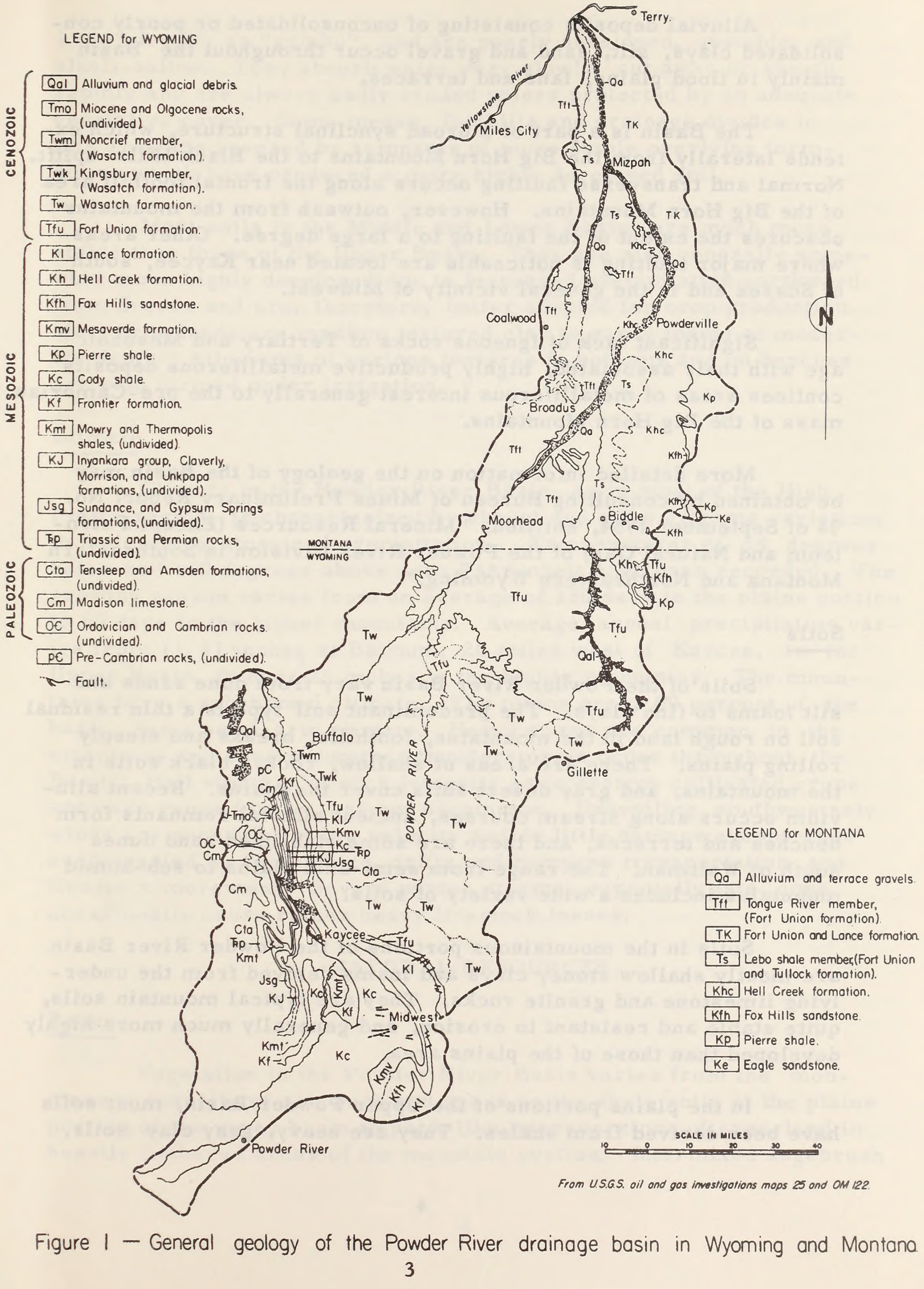
1. The upland mass of the Big Horn Mountains and the flanking Paleozoic and early Mesozoic sedimentary formations which form the mountainous part of the Upper Powder Basin.

2. The Cody Shale formation (also includes Shannon and Sussex sandstone members), a dark grey marine shale containing bentoniferous beds and forming the plains portion of the Upper Powder Basin.

3. The Wasatch formation, consisting of variegated claystone and shales, sandstones, conglomerates and numerous coal beds, which is exposed over most of the Middle Powder Basin.

4. The Fort Union formation which is exposed along the east flank of the Middle Basin and most of the Lower Powder Basin. This formation consists of light colored sandstone members, drab shales and numerous coal beds.

Extensive areas of scoria or clinker also occur in this part of the Basin.


LEGEND for WYOMING
CENOZOIC
Qal Alluvium and glacial debris.
Tmo Miocene and Olgocene rocks, (undivided).
Twm Moncrief member, (Wasatch formation).
Twk Kingsbury member, (Wasatch formation).
Tw Wasatch formation.
Tfu Fort Union formation.
MESOZOIC
Kl Lance formation.
Kh Hell Creek formation.
Kfh Fox Hills sandstone.
Kmv Mesaverde formation.
Kp Pierre shale.
Kc Cody shale.
Kf Frontier formation.
Kmt Mowry and Thermopolis shales, (undivided).
KJ Inyankara group, Claverly, Morrison, and Unkpapa formations, (undivided).
Jsg Sundance, and Gypsum Springs formations, (undivided).
T̵Rp Triassic and Permian rocks, (undivided).
PALEOZOIC
Cta Tensleep and Amsden formations, (undivided).
Cm Madison limestone.
OC Ordovician and Cambrian rocks. (undivided).
pC Pre-Cambrian rocks, (undivided).
Fault.
LEGEND for MONTANA
Qa Alluvium and terrace gravels.
Tft Tongue River member, (Fort Union formation).
TK Fort Union and Lance formation.
Ts Lebo shale member (Fort Union and Tullock formation).
Khc Hell Creek formation.
Kfh Fox Hills sandstone.
Kp Pierre shale.
Ke Eagle sandstone.
N
SCALE IN MILES
10 0 10 20 30 40
Terry
Yellowstone River
Miles City
Mizpah
Powderville
Coalwood
Broadus
Biddle
Moorhead
MONTANA
WYOMING
Buffalo
Gillette
Kaycee
Midwest
Powder River
POWDER RIVER

From U.S.G.S. oil and gas investigations maps 25 and OM 122.

Figure 1 — General geology of the Powder River drainage basin in Wyoming and Montana

Alluvial deposits consisting of unconsolidated or poorly consolidated clays, silt, sand and gravel occur throughout the Basin mainly in flood plains, fans and terraces.

The Basin is a part of a broad synclinal structure, which extends laterally from the Big Horn Mountains to the Black Hills uplift. Normal and transverse faulting occurs along the frontal foothill area of the Big Horn Mountains. However, outwash from the mountains obscures the extent of the faulting to a large degree. Other areas where major faulting is noticeable are located near Kaycee, south of Sussex and in the general vicinity of Midwest.

Significant lack of igneous rocks of Tertiary and Mesozoic age with their associated, highly productive metalliferous deposits confines areas of metalliferous interest generally to the pre-Cambrian mass of the Big Horn Mountains.

More detailed information on the geology of the Basin may be obtained by consulting Bureau of Mines Preliminary Report No. 94 of September 1954, entitled, "Mineral Resources (Except Petroleum and Natural Gas) of the Powder River Division in Southeastern Montana and Northeastern Wyoming."

Soils

Soils of the Powder River Basin vary from dune sands and silt loams to fine clays. The predominant soil type is a thin residual soil on rough land in the mountains, foothills, breaks and steeply rolling plains. There are areas of shallow, rocky, black soils in the mountains, and gray desert soils cover the plains. Recent alluvium occurs along stream courses, ancient alluvial remnants form benches and terraces, and there are some stabilized sand dunes south of Waltman. The range from semi-arid plains to sub-humid mountains includes a wide variety of soils.

Soils in the mountainous portions of the Powder River Basin are mostly shallow stoney clays and loams derived from the underlying limestone and granite rocks. They are typical mountain soils, quite stable and resistant to erosion, and generally much more highly developed than those of the plains area.

In the plains portions of the Upper Powder Basin, most soils have been derived from shales. They are heavy, gray clay soils, known locally as "gumbo", and are poorly developed, unstable, and alkali-saline. They absorb water very slowly, cut away or slough rapidly and are always badly eroded unless protected by an adequate vegetative cover. Some mesas, foothills and drainage divides in this area are covered by remnants of more stable overlying formations which have produced a more highly developed soil.

Most soils in the Middle and Lower Basins are much more stable than those of the Upper Basin. They are also generally somewhat more highly developed due to increased precipitation northward from Sussex and are, therefore, better adapted for crop production. Most crop lands are medium textured clay to sandy loams of moderate depth. Alluviums of various textures in bottoms and on benches are also formed under irrigation.

Climate

Climate in the Powder River Basin, as in most of the High Plains region, is characterized by abrupt and often extreme variations in both temperature and precipitation. Temperatures of 54 degrees below and 110 degrees above zero Fahrenheit have been recorded. The growing season varies from an average of 120 days in the plains portion to 60 days in the higher mountains. Average annual precipitation varies from 11.47 inches at Barnum, 20 miles west of Kaycee, in the Upper Basin, to over 25 inches in the higher mountains. The mountains have a sub-humid climate. The plains area, 90 percent of the basin, has a semi-arid climate. Heavy snows are common in the mountains and severe summer thunderstorms occur throughout the Basin. Hail storms, of such intensity as to destroy cultivated crops and even range forage, are not uncommon. Prevailing southwesterly winds are generally of low velocity and do little damage except when accompanied by snow which drifts and hampers transportation and livestock movement. Severe winter storms, especially late ones, occasionally cause rather heavy livestock losses.

NATURAL RESOURCES

Range

Vegetation in the Powder River Basin varies from the monotonous sparsity of salt bush and grass on the shale soils of the plains portion of the upper basin to park-like interspersions of grassland in heavily timbered areas of the mountain portion. Intermixed sagebrush and grassland predominates in the Middle Basin. In the Lower Basin an otherwise monotonous mixture of sagebrush and grassland is broken by timber in patches of varying density and extent on many of the ridges and rougher areas. Types of vegetation occurring in the Basin have been delineated by aspect as shown on the Vegetation, Capability, Erosion and Carrying Capacity Map in the Map Appendix. Minor variations were not shown. A list of the principal plant species with their scientific and common names and the symbols used to represent them on the map is given in Appendix E.

Grasslands of the mountains normally include Idaho fescue (Festuca idahoensis), bluestem wheatgrass (Agropyron smithi), bearded bluebunch wheatgrass (Agropyron spicatum), Kentucky bluegrass (Poa pratensis), redtop (Agrostis alba), threadleaf sedge (Carex filifolia), green needlegrass (Stipa viridula), and prairie junegrass (Koeleria cristatata). In the plains area, blue gramma (Boutelous gracilis), bluestem wheatgrass (Agropyron smithi), prairie sandreedgrass (Calomovilfa longifolia), Sandberg bluegrass (Poa secunda), and needleandthread grass (Stipa comata), are most common. True prairie grasses are common in the northern part of the Basin. Such species as prairie sandreedgrass, big bluestem (Andropogon furcatus), and little bluestem (A. scoparius) occur with increasing frequency on ranges in good condition.

Wet meadows are common along small streams in the mountains. Sub-irrigation sustains coarse sedges and rushes, many of the better grasses having been killed out by constant overuse. Dry meadows in the mountains are rather common and consist principally of Idaho fescue and a few other species common to the mountain range. Dry meadows on the plains are generally made up almost entirely of bluestem wheatgrass.

Sagebrush species in the mountainous portions of the Basin are big sagebrush (Artemesia tridentata), fringed sagebrush (A. frigida) and threetip sagebrush (A. tripartita). Various species of grasses and herbs common to the mountainous areas make up the understory of this type. In the plains area of the Basin big sagebrush, fringed sagebrush, silver sagebrush (A. cana) and black sagebrush (A. nova) commonly occur in the type. The common midgrasses of the plains form a valuable understory.

Gardners saltbush (Atriplex gardneri) covers quite extensive areas in the southern part of the Basin, where poorly developed, alkali-saline soils and low precipitation effectively limit the vegetation to this species and a few associated plants. Species commonly associated with Gardners saltbush are bluestem wheatgrass, Sandberg bluegrass, bottlebrush squirreltail (Sitanion hystrix), and shadscale saltbush (Atriplex confertifolia). Ground cover in this type is generally very sparse.

Black greasewood (Sarcobatus vermiculatus) occurs as a type on flood plains of intermittent watercourses. The soils are comparatively well developed, alkali-saline, with the water table generally relatively close to the surface. Common species in the understory of this type are inland saltgrass (Distichlis stricta), alkali sacaton (Sporobolus airoides), bluestem wheatgrass and various forbs. Winterfat (Erotia lanata) is widespread in the sagebrush and grassland types. It occurs as a type in only a few places in the Upper Basin and is not shown on the Land Classification Map.

Mountain brush types occur on the steep slopes and in the foothills of the Big Horn Mountains. This type is principally important as forage and shelter for game animals, although sheep also make limited use of it. Mountain mahogany (Cercocarpus-ledifolius) is the principal species in the type, others being bitter bush (Purshia tridentata), snowberry (Symphoricarpus-Spp) and various grasses.

Barren range types support no vegetation as distinguished from waste range which may actually support considerable forage although it can not be utilized by domestic stock due to inaccessibility. These areas on which the production of forage is so scant that 30 surface acres or more would be required to support one animal unit for one month, as in dense timber or brush, are also classed as waste range. The area and recommended stocking rate of range lands in the seven study units are shown by ownership class in Table 2, in the Land Use and Ownership section of this report. The area of lands by ownership class and the recommended stocking for public domain land in the isolated tract areas are also shown in Table 2. The comparative value of the lands in the several ownerships and various locations as listed in Table 2 is shown in Table 3 as surface acres of range land recommended per animal unit month.

Forest Lands

The Bighorn and Custer National Forests occupy 302,820 acres in Wyoming and Montana portions of the Powder River Basin and includes the most valuable timber resources. There are approximately 186,250 acres of forest lands outside of the National Forests as shown on the Vegetation, Capability, Erosion and Carrying Capacity Map accompanying this report. In the Upper Powder River Basin forested areas confined to the mountains south of the Bighorn National Forest. In the Middle and Lower Basins they occur with increasing frequency northward from Arvada in the river breaks and on rough, rocky ridges and steep slopes.

Principal tree species in the Upper Basin are western yellow pine (Pinus ponderosa), lodgepole pine (P. contorta), limber pine (P. flexilis), Douglas fir (Psuedotsuga menziesii), Englemann spruce (Picea englemanni), Rocky Mountain juniper (Juniperus scopulorum), and quaking aspen (Populus tremuloides). In the Middle and Lower Basins western yellow pine and Rocky Mountain juniper occupy the river breaks and rocky ridges, and plains cottonwood (Populus deltoides) occurs on the bottom lands along the main streams. The principal values of forest cover in this Basin are watershed protection, wildlife habitat and recreational or asthetic values. Yellow pine has some commercial value for sawlogs throughout the Basin, where quality and density of the stand are sufficient to offset the generally poor accessibility. Juniper has some commercial value for posts where it is sufficiently dense and available.

In the Upper Powder study unit there are some commercially valuable lodgepole pine, Douglas fir and Englemann spruce in addition to the yellow pine. In this unit sawlog timber and pole-size trees on public domain lands are estimated according to accessibility as follows:

Accessibility	Acres	M. B. F.	Pole Trees
Good	2,200	11,112.8	724,000
Fair	8,620	22,861.8	851,250
Poor	15,070	58,096.2	2,323,100
Total	25,890	92,070.8	3,898,350

Large portions of the area have been both logged and burned over, mostly prior to 1910, and there are only scattered remnants of merchantable stands with accessibility, so poor in many cases that logging costs would equal or exceed the value of the timber. The 2,200 acres of timber with good accessibility is located almost entirely within a few miles of the Bighorn National Forest.

Merchantable timber stands in other study units are extremely variable in density and extent and most of them have been logged over at some time. Damage by fire has not been extensive. Sawlog timber occurs mostly in small pockets and will cut from one to five M. B. F. per acre. Accessibility is often poor. Pole-sized trees average from 150 to 600 per acre. Timber stands are confined to land capability classes VI and VII, but no detailed estimates of volume were made. The total acreage of forested public domain in these study units is shown below.

Study Unit	Acres
Moorhead	4,820
Powder Breaks	None
Little Powder	460
Broadus	30,631
Powderville	1,845
Mizpah	12,040
Total	49,796

Wildlife

The varied climate and topography of the Powder River Basin provides suitable habitat for many species of wild animals and birds. Black bear and elk are found only in the mountains, and antelope in nearly all of the plains portion of the Basin. Mule deer are common in all of the rougher areas and some whitetail deer are found along Mizpah Creek in the Lower Basin. Population of game animals are estimated as follows: elk, 1,800; antelope, 15,000; and mule deer, 14,000. Occasional mountain lions and increasing numbers of bobcats occupy the timbered areas and rough river breaks, but the once common coyote has virtually disappeared. Badger, skunk, weasel, martin and other small fur bearers are common. Beaver are found along the river in cottonwood groves. Sharptail, Franklin's and sage grouse, as well as the introduced ring neck pheasant, occur in suitable habitat throughout the Basin. Trout are found in the mountain streams and several species of game fish in many of the larger reservoirs. Some carp and suckers inhabit the main river but the consistently heavy silt load of the water precludes the development of usable fisheries.

Minerals

General

The relation of the mineral resources within the division to the public land including lands patented with mineral reservation, and acquired lands can best be classified according to whether the minerals are leasable (Act of February 25, 1920 as amended and supplemented, 30 USC 181) or locatable minerals (Act of May 10, 1872 as amended, 30 USC 26. 33). Recent legislation for multiple mineral development allows for dual exploration and development of both leasable and locatable minerals. Other recent legislation which affect the mineral development and land utilization are Public Laws 167 and 357 of the 84th Congress. Public Law 167 provides that the common varieties of sand, stone, gravel etc., are no longer locatable but are subject to disposal under the Sale of Materials Act (Act of July 31, 1947, 43 USC 1185). It further provides for more adequate measures for multiple use of surface and mineral resources. Public Law 357 provides for the exploration and exploitation, under the mining laws, of uraniferous coal deposits. Although no such deposits have yet been found in the basin, further exploration and study will develop some additional activity.

Figure 3 shows the various mineral deposits excluding Oil and Gas within the area as well as areas of presently known potential development.

Within the area, there has been no igneous activity since pre-Cambrian time. Therefore, with the exception of uraniferous mineralization associated with the Tertiary sediments, the minor metalliferous mineralization is naturally confined to the area of the pre-Cambrian complex within the Big Horn Mountain range.

Petroleum and Natural Gas (Subject to Mineral Leasing)

Known reserves of crude oil and natural gas in the Powder River Basin were estimated at 118 million barrels of oil and 100 billion cubic feet of gas on January 1, 1953 according to Bureau of Mines Preliminary Report No. 91 of June 1954 entitled "Petroleum and Natural Gas Reserves and Development in the Powder Division of the Missouri River Basin." Discovery of new fields and proving of additional reserves has continued since then but later figures are not available.

The importance of leasable minerals in the Powder River Basin is shown by receipts of the Bureau of Land Management for rentals under the Mineral Leasing Act of February 25, 1920 (42 Stat. 437; 30 USC 181) as amended and supplemented. Since these receipts are segregated only by counties it has been necessary to make adjustments according to the part of each county lying in the basin except where the exact location of leases are known to be producing. The percentage of the total receipts from mineral leases and rentals for each county which can be credited to this basin is estimated for calendar year 1955 as follows:

State & County	Oil & Gas Royalties	Non-Prod. O&G Rentals	Coal & Other	Total
Montana				
Carter	-----	20,434	-----	20,434
Custer	-----	34,263	-----	34,263
Powder River	-----	104,268	6,300	110,568
Prairie	-----	1,029	-----	1,029
Sub-total	-----	159,994	6,300	166,294
Wyoming				
Campbell	606	209,371	-----	209,977
Converse	------	2,947	-----	2,947
Crook	------	243	-----	243
Johnson	2,058,203	235,558	-----	2,293,761
Natrona	1,474,330 1/	127,227	-----	1,601,557
Sheridan	------	15,160	-----	15,160
Washakie 2/	------	-----	-----	-----
Sub-total	3,533,139	590,506	-----	4,123,645
Totals:				
Mont. & Wyo.	3,533,139	750,500	6,300	4,289,939

1/ 85 percent of Oil & Gas lease rentals is estimated to be from Powder River Basin on the basis of production figures by fields for calendar year 1952 as reported by the Rocky Mountain Oil Reporter - Annual Wyoming Issue - May 1953.

2/ No known mineral leasing activity in the Powder River Basin part of this county.

Coal (Subject to Mineral Leasing)

According to the "Preliminary Commercial and Industrial Report on the Powder River Basin in Wyoming", prepared November 1951 for the Bureau of Reclamation by the Division of Commerce and Industry, University of Wyoming, Laramie, Wyoming, it is estimated that total reserves of the Basin exceed 54 billion tons. The Wyoming part of the Basin includes an estimated 45 percent of the total reserves for the State.

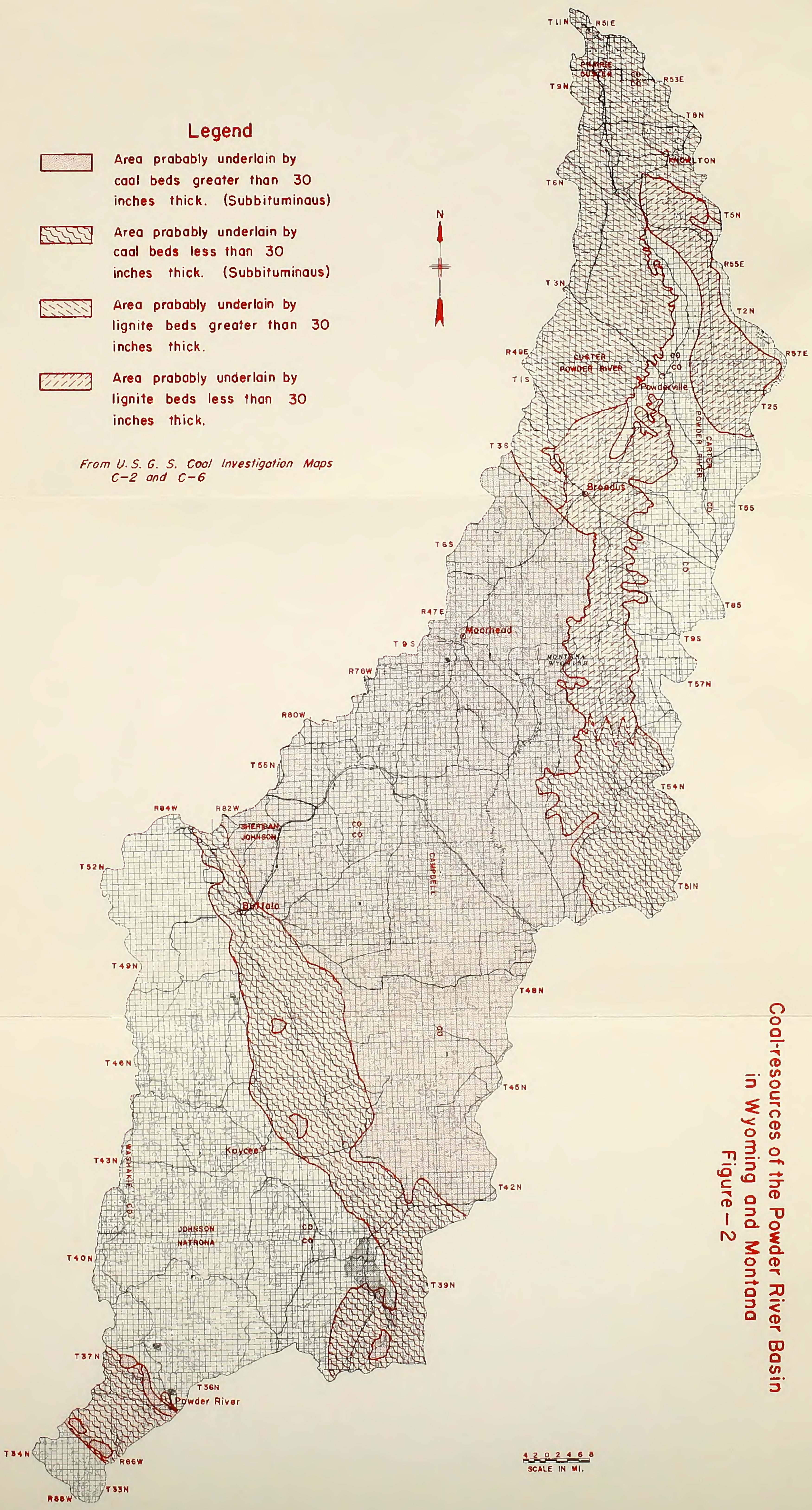
Coal beds form important parts of the Wasatch, Lance Creek and Fort Union formations which are exposed in most of the Middle and Lower Powder Basin. Eighty-seven percent of the coal has less than 1,000 feet of overburden and more than 57 percent is in veins 10 feet or more in thickness. Coal veins in the recently discovered Lake DeSmet Field north of Buffalo, Wyoming, with a maximum thickness of 200 feet, may be the thickest veins in the United States. Most of the coal with more than 1,000 feet of overburden is in veins less than 10 feet thick and exploitation is unlikely under present conditions. Coal resources of the basin are shown in Figure 2.

Most coal in the Basin is sub-bituminous but there is also some lignite or brown coal. The Lake DeSmet deposits are a good grade sub-bituminous coal which could be utilized to produce gasoline and other products by application of the hydrogenation process. Drying and carbonization processes may aid in the use of coal in other parts of the Basin where hydrogenation is impracticable due to the absence of an adequate water supply. Shallow overburden and reasonably thick veins make strip mining a possibility in some places. This method is used in both the adjoining Tongue and Belle Fourche river basins.

Bentonite (Subject to Location under the U. S. Mining Laws)

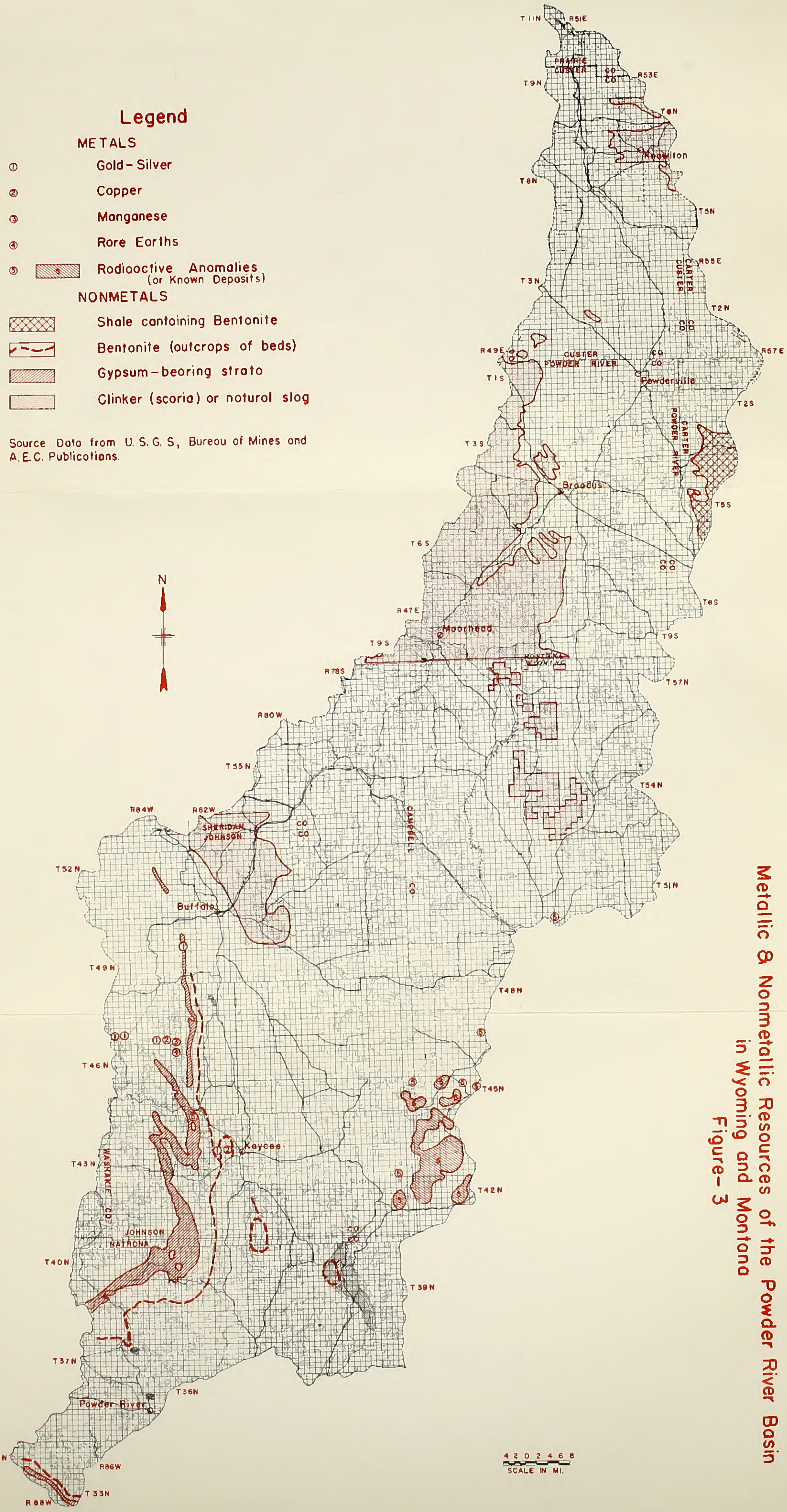
Although only two concerns are presently producing bentonite, the reserves in the basin are large. With increasing demands for bentoniferous clays, the existing marketability disadvantage of the potential reserves of the Powder River area should soon be overcome. With the additional demand now being created by contemplated use of bentonite in the beneficiation of the taconite iron reserves of Minnesota, increased interest and activity is already apparent in the Powder River bentonite reserves.

The bentonite and bentoniferous clays are found in several upper Cretaceous formations, but the present workable deposits are confined



Coal-resources of the Powder River Basin in Wyoming and Montana

Figure – 2



Source Data from U. S. G. S., Bureau of Mines and A.E.C. Publications.

Metallic & Nonmetallic Resources of the Powder River Basin in Wyoming and Montana
Figure-3

to Frontier, Mowry and Thermopolis members. In general, a large part of the outcropping show favorable dips for mining, varying from 0° to 15°. Exposures are found along the outer flanks along the Big Horn Mountains beginning towards the south end of the basin area and extending northerly just beyond Mayoworth. However, north of Mayoworth, the bentoniferous formations are capped with alluvium and overburden. Other known occurrences of bentonite are at the extreme south end of the basin, west of Midwest, northwest of Midwest and in Montana in small areas near the head of East Fork of Crow Creek in Carter County.

Uranium (Subject to Location under the U. S. Mining Laws)

Figure 3 shows the areas of present uranium interest. However, with the publicity directed towards the Pumpkin Buttes (Wyoming) area during the restoration to location and entry of the public lands involved and the general uranium activity throughout Wyoming, numerous locations will be filed on public lands in any vicinity where radioactive anomalies are found or reported.

In general it is believed that the uraniferous concentrations found in the Wasatch (Eocene) formation in the Pumpkin Buttes area and the Sundance formation (Late Jurassic) in the Mayoworth areas are products of leaching from the White River (Oligocene) formation which in past geologic time covered most of the basin. Remnants of the White River formation, found on the Big Horn Mountains and as a capping on Pumpkin Buttes, are slightly radioactive. In the Pumpkin Buttes area, favorable horizons for uraniferous concentrations appear to be in sandstone rolls or adjacent or near coal or clinker beds. There has been minor production from some of the Pumpkin Butte deposits but as yet no large reserves are indicated. Further detail is given in U. S. Geological Survey Circular 176.

In the Mayoworth area, uranium is found concentrated in a hard gray oolitic limestone. This occurrence is described in detail in U. S. Geological Survey Circular 358.

Evidence indicates that the White River sandstone once covered the entire basin. The potential development and future activity will therefore depend upon exploration to determine channels of migration of the leached uranium bearing solution to favorable areas deposition such as sandstone rolls or areas adjacent to certain coal measures or other carbonaceous formations.

Gold - Silver - Copper (Subject to Location under the U. S. Mining Laws)

Several small gold, silver and copper prospects exist in the Big Horn Mountains occurring in small veins in pre-Cambrian granite and schist. Very little production has been made from these properties nor is it likely that future exploration will cause any appreciable additional activity.

Manganese (Subject to Location under the U. S. Mining Laws)

Several occurrences of manganese are reported associated with pre-Cambrian granite and Cambrian Deadwood sandstone. Due to the low grade and cost of beneficiation, only limited and minor prospecting activities can be expected in connection with these small manganiferous exposures.

Rare Earths (Subject to Location under the U. S. Mining Laws)

One occurrence of allanite, a mineral containing thorium and rare earths, is located in Sections 31 and 32, T. 47 N., R. 83 W. Other occurrences of thorium minerals in pegmatites of the pre-Cambrian granite have been reported, although none of these occurrences appear to warrant any economic interest.

Minerals Subject to Disposal Under Sale of Materials Act of July 31, 1947

Extensive deposits of clinker, which are associated with the coal measures, are found in a large part of the basin. However, as yet, only a minor local market has been developed.

There are large reserves of gypsum and limestone outcropping along the flanks of the Big Horn Mountains. However, only minor activity can be expected in the immediate future towards the development of these minerals in the Powder River Basin since these deposits are not favorably situated for marketability into the population centers.

Since there are no large towns or population centers in the basin or nearby, only small sand and gravel operations and sales can be generally expected.

Water Supply

Water supply in the Powder River Basin is extremely variable for different parts of the Basin. Gaging stations have been maintained by the U. S. Geological Survey at only a few points in the Basin and existing records are fragmentary and seldom cover identical periods of time. Records of water production at seven selected stations in the Basin are shown in Table 1. Analysis of the figures in this table shows that 2,945 square miles, or 22.8 percent of the total area above Locate, Montana which are drained by the four mountain streams, contribute 58.5 percent of the total runoff or 463,947 acre feet per year.

In the plains portion of the Upper and Middle Basins and the Little Powder part of the Lower Basin 6,625 square miles, or 51.3 percent of the total area above Locate contribute only 15.8 percent of the total runoff or 124,794 acre feet per year. The remaining 3,330 square miles, or 25.9 percent of the area, contribute 25.7 percent of the runoff or 203,725 acre feet per year. The runoff in acre feet per square mile for each of these three portions of the basin is respectively 157.5, 18.8 and 61.2; the average for the entire basin being 61.4.

Water supply studies conducted by the Bureau of Reclamation indicate sufficient runoff from the Middle Fork of Powder River to irrigate 22,400 acres from the proposed Hole-in-the-Wall Dam in addition to supplying needed supplemental water to some 6,000 acres already under irrigation in the Middle Basin. They also indicate adequate runoff for irrigation of an additional 58,600 acres of land in Montana below the proposed Moorhead Dam.

The approximate acreage of irrigated land in portions of the Basin tributary to each gaging station, the estimated consumptive use of water per acre of irrigated land and the method of converting average flows in cubic feet per second to average discharge in acre feet per year are shown in Table 1.

Variations in the annual flow of the main river at Arvada are shown by the following: 1/

Water Year Oct. 16 - Sept. 30,	1946-47	1947-48	1948-49	1949-50
Flow in Acre Feet	274,800	248,900	184,000	131,700

1/ These figures are from U. S. Geological Survey Bulletin No. 170

Table 1. - Stream Flow and Run-off Data for Portions of the Powder River Basin, Montana and Wyoming. 1/

Station	Record Years	Net Drainage area Sq. Mile	Percent of the Basin	Average Discharge acre-feet 2/	Restored flow per year acre feet 3/	Approx. Area Irrigated above Station Acres	Annual Runoff per Square Mile Acre Ft.
Middle Fork at Kaycee, Wyoming	1931	647	5.0	73,895	88,895	5,000	137.4
North Fork near Kaycee, Wyoming	1931	244	1.9	18,112	25,612	2,500	105.0
Crazy Woman Creek near Arvada, Wyo.	1940-43	944	7.3	45,641	69,641	8,000	73.8
Clear Creek near Arvada, Wyoming	1940-44	1,110	8.6	168,799	279,799	37,000	252.1
4/Other above Moorhead, Montana		5,085	39.4	58,682	105,182	15,500	20.7
Sub-total at Moorhead, Montana	1935-44	8,030	62.2	365,129	569,129	68,000	70.9
Little Powder, Riddle, Montana	1939-42	1,540	11.9	18,112	19,612	500	12.7
4/Other above Locate, Montana		3,330	25.9	199,225	203,725	1,500	61.2
Total Basin above Locate, Montana	1939-44	12,900	100.0	582,466	792,466	70,000	61.4

1/ Adapted from U. S. Geological Survey water supply paper No. 1077 December 1948.

2/ Average discharge in acre feet obtained by use of formula -1- C.F.S. for twenty four hours - 1.98 acre feet per day or 724.46 acre feet per year.

3/ Restored flow calculated by adding 3 acre feet per acre of irrigated land to average discharge.

4/ These figures are calculated to include all areas in these portions of basin not previously listed.

The average annual flow at this station for the 28 year period from 1917 - 1944 was approximately 322,386 acre feet. This period includes the flood year of 1923 and two following years of more than average discharge but also includes several dry years.

HISTORY OF RESOURCE USE

Agricultural Development

Initial use of the Powder River Basin by white men was made by fur trappers and traders about 1860. In the latter part of this decade cattle trailing to market from the Oregon Territory used portions of the Basin. By 1890 a number of large cattle ranches had been established at the most favorable locations in the Middle Basin, utilizing the open range on extensive areas of public domain and developing only enough hay land to supply essential winter feed.

The westward surge of settlement during that period brought many farmers who obtained patent to the best available lands under the Homestead Act of 1862 or the Desert Land Act of 1877. Further impetus to settlement of the Basin by farmers was provided by passage of the Carey Act of 1894, the Enlarged Homestead Act of 1909 and the Stockraising Homestead Act of 1916.

Non-irrigated farm land use and development has varied with the variation in rainfall and with the price of wheat. Prior to the low prices and drought years of the early 1930's there was intensive dry land development in the vicinity of Nine Mile Creek, north and east of Kaycee, and along the Tongue River and Belle Fourche River Divides. There were flour mills at Kaycee and Buffalo. Crop failures and low prices forced the closing down of most of these enterprises and the land largely reverted to grazing use. In recent years favorable climate and high prices have encouraged the planting of wheat on some range lands.

Sheep outfits moved into the Basin in the latter part of the 1890 decade, utilizing extensive areas in the Upper Basin which were too poor and too dry to be usable by either cattlemen or farmers. They trailed to the mountains for summer range.

Cattlemen and farmers irrigated bottom lands by simple diversions along the few perennial streams. Upland areas having suitable soils were dry farmed. Sheepmen, cattlemen and farmers all grazed their stock on the open range of the fast dwindling public domain. Many cattlemen acquired title to strategic parcels of land by paying men to homestead such parcels, later buying the land from the homesteader. They also bought out some of the least successful bona-fide homesteaders, thus materially increasing their control over open range on adjoining public domain.

Continued expansion of the farm and livestock industries increased competition for use of the open range. Withdrawals of vacant, unappropriated public domain were made for public water reserves to prevent monopolizing of public range by the larger operators and for stock-driveways to facilitate the movement of livestock to and from seasonal ranges and to shipping points. There were no restrictions on the use of the public lands until passage of the Mizpah-Pumpkin Creek Grazing Act of 1928, which provided for controlled use of all public grazing lands within that part of the Lower Basin. This was followed by passage of the Taylor Grazing Act (48 Stat. 1275) approved June 28, 1934, which provided for regulation and administration in order to stop injury to the public grazing lands, to provide for their orderly use, improvement and development, and to stabilize the livestock industry dependent upon them.

Also during 1934, readjustment of operating units in the Spring Creek Area of Campbell County, Wyoming was initiated by the Government's purchase of some 41,000 acres of small dryland farms and relinquished homesteads under the Agricultural Adjustment Administration. In 1935, the Montana part of the Basin was included in Montana Grazing District No. 3, organized under the Taylor Grazing Act. The combined effects of the economic depression and concurrent drought of the 1930 decade were disastrous for many small livestock operators, as well as marginal and sub-marginal farmers. Relief for many of the latter was provided by Federal purchase of lands in portions of Custer and Prairie counties in the Montana part of the Basin under Title III of the Bankhead-Jones Farm Tenant Act approved July 22, 1937. Two state grazing districts were also formed in this area in 1942 and 1943, under the Montana Grass Conservation Act of 1939. More detailed information regarding the Spring Creek Land Utilization Project Area and the three state grazing districts may be found in the "Preliminary Land Planning and Classification Report, Powder River Basin", published by Region III of the Bureau of Land Management, Billings, Montana, March 1949.

Regulation of grazing use on public lands in organized grazing districts was provided for by permit under Section 3 of the Taylor

Grazing Act and by lease to adjacent operators under Section 15 of the Act for all other public lands. The location of the various areas mentioned is shown on the proposed Land Use and Improvements Map accompanying this report. Regulation of grazing use on public domain lands under the preceding methods has eliminated the transient livestock operator, promoted orderly use of the range, stabilized existing livestock operations, and reduced range disputes and abusive use.

Mineral Development

Petroleum was discovered during the early days of settlement and drilling of the first well was started in the Shannon Field on Salt Creek in 1880. Following initial production of oil in 1889, development of this industry was irregular until about 1910 when it reached boom proportions, which continued with little abatement until the economic depression of the 1930 decade. A large refinery was constructed at Casper, Wyoming in the adjoining North Platte Basin, to process the tremendous green oil and natural gasoline production of the Salt Creek Field.

During the 1930 depression decade activities were greatly curtailed but were revived by improved economic conditions about 1940. Exploration and development activities continued at a rapid rate through the 1940 decade, with large additional refining facilities developed at Casper, Wyoming and supplied by pipe lines from the Salt Creek Field and from fields in other adjoining basins. Production of the Salt Creek Field has been declining for a number of years but discovery and exploitation of new fields has resulted in greatly increased total production from the Basin. The Sussex and Meadow Creek fields, discovered in 1948 and 1949 respectively, together produced nearly three-fourths as much as the Salt Creek Field in 1952. Total cumulative production of crude oil and natural gas in the Basin at the end of 1952 was 363,505,000 barrels of oil and 607,293,000,000 cubic feet of gas. Oil and gas exploration and leasing have covered most of the Basin and there has been considerable drilling activity in connection with the proving of new fields and wild catting for new discoveries.

Coal has been mined in the Basin only to supply local needs. Total production as reported to the U. S. Geological Survey by lessees and licensed operators for the years 1922 to 1953 inclusive amounted to 89,240 tons in Montana and 94,540 tons in Wyoming, an aggregate of 183,780 tons. There were no active mines during June 1953 when the most recent survey was made. Low quality of the coal (sub-bituminous) and lack of rail transport at the mines has prevented extensive use of this resource. [1]

Uranium was discovered in the Pumpkin Buttes area of the Basin late in 1951 as a result of an airborne radiometric reconnaissance survey conducted by the U. S. Geological Survey.

The existence of large deposits of bentonite along the foot of the Big Horn Mountains has been known for some time but practically no use was made of this resource prior to 1950.

AREA ECONOMY

The Powder River Basin has developed a composite multimillion dollar livestock, farm and industrial economy which utilizes practically all of the known natural resources. Development of urban centers to furnish transportation and marketing facilities has been limited, these being supplied largely from nearby towns in adjoining basins.

Contributions of the seven detailed study units to the overall economy of the basin in 1950 are estimated as follows:

Range Land - 4, 302, 441 acres of range land produced an estimated 723, 571 animal unit months of forage.

Crop Land - 63, 185 acres of crop land produced an estimated 189, 555 animal unit months of forage for winter feed.

Petroleum and Natural Gas - Seven oil fields produced 5, 748, 417 barrels of oil valued at $20, 119, 460. 00. Four natural gas fields produced 8, 985, 514, 000 Cu. feet valued at $718, 800. 00. Natural gasoline plants are located in Salt Creek and Meadow Creek Fields.

Other Minerals - Over 2, 000 tons of bentonite were produced with a total estimated value of $25, 000. 00.

Overall production of range and croplands in the entire Powder River Basin in 1950 is estimated as follows:

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[1] "Mineral Resources (Except Petroleum and Natural Gas) of the Powder River Division in Southeastern Montana and Northeastern Wyoming," Bureau of Mines, Preliminary Report No. 94, Sept. 1954.

1. Range: 7,867,347 acres produced an estimated 1,614,797 animal unit months of feed.

2. Cropland: 302,644 acres produced an estimated 907,932 animal unit months of forage or their equivalent in cash crops.

Most of the hay and forage produced in the basin is fed to livestock there, the producer usually feeding the produce to his own livestock. There is some commerce in hay within the basin and at times movement in or out depending upon production and demand. Grain, especially wheat, is usually produced as a cash crop marketed at elevators on the northern line of the C. B. & Q., or the railroads in Montana. Operators of mixed farming units usually produce grain for feed. These units are quite numerous on irrigated land near Buffalo, and they have a considerable number of dairy cattle. Dairy products are processed by the Johnson Creamery at Buffalo. Some ranchers also produce surplus cream which they market there.

Production of petroleum and natural gas in the basin regularly employs nearly 700 people. Exploration and drilling activity employs an irregular number which usually is in excess of 200.

In addition to the foregoing, increasing numbers of big game animals in the Powder River Basin exert a considerable influence on the economy of the Basin. Populations of mule deer, elk and antelope probably reached their lowest points during the period of "free range" prior to passage of the Taylor Grazing Act in 1934. Since that time improved range conditions and protection of game species under State laws have brought about such greatly increased populations of both antelope and mule deer that they have come to be regarded as pests by many farmers and ranchers. In a few extreme cases the production of cultivated crops is impossible because of depredations by deer. In many cases, both deer and antelope interfere seriously with the production of alfalfa hay and seed as well as small grain. Such damage is usually outside of the study units, but may well be made by game animals whose principal range is inside these units.

Game animals attract increasing numbers of hunters from the nearby cities and towns as well as from neighboring states who spend considerable amounts for transportation, meals, lodging and guide services in the various communities of the Basin. A reasonably accurate estimate of the total contribution of hunters and tourists to the economy of the Basin would be difficult and has not been attempted since the resource is not a product solely of the public domain, but thrives equally well on privately-owned lands. Mountain resorts and towns along the principal highways derive much of their income from tourist traffic. The Big Horn Mountains offer excellent recreational facilities. There is considerable interstate and intrastate traffic on the U. S. Highways. Many tourists enroute to and from Yellowstone National Park, Teton National Park and the Black Hills travel through the Big Horns and across the Powder River Basin. There are a considerable number of small resorts and dude ranches in the basin, principally within or near the Big Horn National Forest.

Population and Public Services

Estimated population of the Powder River Basin, based on 1950 census figures, is approximately 13,300. Less than 4,900 of this number, or about 37 percent, live in communities of 50 persons or more. The remaining 8,400 or 63 percent, live on farms and ranches.

The estimated population for those portions of the various counties lying in the Basin for the census years of 1930, 1940 and 1950, is shown below:

State and County	1950	1940	1930
Wyoming:			
Johnson	4,700	5,000	4,800
Sheridan	2,000	2,450	2,600
Campbell 1/	700	1,050	1,650
Natrona	2,450	3,100	4,800
Sub-Total	9,850	11,600	13,850
Montana:			
Powder River	2,800	2,600	2,850
Custer	350	450	700
Carter	250	200	300
Prairie	50	50	50
Sub-Total	3,450	3,300	3,900
Total	13,300	14,900	17,750

1/ The town of Gillette is located on the Powder River-Belle Fourche Divide and is important to the Powder River Basin, but is not included in this tabulation. The 1950 population was about 2,000.

The 25 percent decrease in total population of the Basin, from 17,750 in 1930 to 13,300 in 1950, is due largely to movement from farms and ranches in the Basin to Casper or Sheridan, Wyoming, or Miles City, Montana, just outside the Basin. Operating units of most ranches and farms have increased in size. Many units which were sub-economic have been closed, and their operators have left the Basin. Mechanization of farms and ranches has greatly reduced the manpower necessary for operating agricultural enterprises. Petroleum exploration, drilling and development has contributed substantially to growth in population of towns in and near the oil fields and to cities near the Basin.

Population of the principal towns in the Basin in 1950 was as follows: Wyoming: Buffalo, 2,674; Kaycee, 211; Midwest, 800; Edgerton, 203; Powder River, 50; Arvada, 100; Clearmont, 225; Ucross, 50; and Story, 50; Montana: Broadus, 517; total, 4,880. Buffalo, Gillette and Broadus are county seat towns of Johnson and Campbell Counties, Wyoming and Powder River County, Montana, respectively. Urban services, trades and professions are centered in these towns.

Post offices, small stores, and gasoline supplies are located at Biddle and Moorhead, Montana, and Sussex, Spotted Horse, Recluse and Waltman, Wyoming. In the other towns named, urban services are largely restricted to retail stores, cafes and service stations. There are also hotels and tourist courts which generally offer only restricted accommodations. Other civic services are almost entirely lacking. Midwest is a company-owned oil field town with very limited public service facilities.

Principal trading centers for the Powder River Basin are Buffalo, Casper, Gillette and Sheridan in Wyoming, and Broadus, Miles City and Terry in Montana. Only Broadus and Buffalo are within the Basin and their trading areas are restricted to adjacent portions of the Basin. Gillette is near the Belle Fourche-Powder River Divide and the other cities are some distance outside the Basin.

Electricity is supplied to towns in the area by the Pacific Power Company and by Rural Electrification Administration Cooperatives lines. Most of the ranches and farms in the area are served by R. E. A. or power company lines. Oil field communities are supplied by company owned thermal plants. Stanolind Oil and Gas Company operates a large gas-fired steam plant near Midwest. This plant produces energy for the Salt Creek field for oil pumping for their refinery at Casper and for Midwest. The Pacific Power Company has a combination hydro and diesel plant on Clear Creek west of Buffalo. The R. E. A. cooperatives serving the Basin buy their power from the Montana-Dakota Utilities Company steam thermal plant at Acme, Wyoming, and from Bureau of Reclamation transmission lines, which cross the Basin.

Natural gas is piped to the Wyoming towns within the Basin and many rural areas are serviced by transmission or local pipe lines.

Transportation and Communications

Powder River Basin is served by three railroads. The Lincoln-Billings line of the Chicago, Burlington and Quincy Railway crosses the central part of the basin from Gillette to Sheridan and the Denver-Billings line crosses the southern end through Powder River and Arminto. The Northern Pacific and the Milwaukee Railroads serve the northern extremity of the basin, with their main lines from St. Paul and Minneapolis to Seattle.

Railway passenger and freight services are operated on daily schedules. Most market shipments of livestock are made by rail, although trucking to local markets at Miles City, Billings, Sheridan, Gillette and Casper is common. Protein concentrates for supplemental feed are shipped in by rail. Railroad stations and shipping facilities are located at Arminto, Arvada, Casper, Clearmont, Gillette, Powder River and Sheridan, Wyoming, on the Chicago, Burlington and Quincy Railroad. Livestock and carlot facilities are also provided at Lox, Bucknum, Echeta and Ulm, Wyoming on this railroad. Northern Pacific and Milwaukee railroad stations, servicing the northern part of the basin, are at Miles City and Terry, Montana.

Passenger bus service is supplied over U. S. Highways No. 10, 12, 16, 20, 26, 87 and 212. The Salt Creek Lines also supply freight service on regular schedules through the Basin on U. S. Highway No. 87. Many other truck-freight lines operate on the highways of the Basin and semi-trailer stock trucks are in common use throughout the plains area.

There are over 540 miles of paved Federal and State highways in the basin. Montana State Highway No. 8, from Crow Agency to

Broadus, is an important paved and part graveled highway with 18 miles in the Basin. A Wyoming state secondary highway, partly hard surfaced and the remainder graveled, follows the Belle Fourche-Powder River Divide southwest from Gillette to Lone Tree on Wyoming State Highway No. 387. There are more than 150 miles of graveled county roads in the Basin and a network of improved unsurfaced roads which are quite adequate for the needs of the Basin. The roads are distinguished, by class, on the maps with the report. Most of the unsurfaced roads become impassable when wet.

U. S. Post Offices are located at all urban centers and rural delivery routes cover most of the main roads in the Middle and Lower portions of the Basin. Telephone service is available at Recluse, Spotted Horse, Arvada and Sussex in addition to all towns on the Federal highways. Most of the farms and ranches are serviced by rural lines. Radio service is supplied by broadcasting stations in the nearby cities of Casper, Newcastle and Sheridan, Wyoming; Miles City, Montana and Rapid City, South Dakota. There is an airfield within the Basin at Buffalo. Commercial airlines serve Casper and Sheridan, Wyoming, and Miles City, Montana, near the boundaries of the Basin.

Oil pipe lines run from several oil fields to Midwest and then through two lines to Casper, Wyoming where the oil is marketed at the three large refineries there or piped to Midwest via the Platte pipe line or southward to Denver. Two crude oil pipe lines and one gas line cross the southern end of the Basin from Bighorn and Wind River Basins to Casper and east. A pipe line from Notches Dome field connects with these crude lines. A gas line connects Midwest, Kaycee, Billy Creek gas field, Buffalo and Sheridan. Gas, natural gasoline and water lines extend from Midwest to the Stanolind refinery in Casper. Natural gasoline is produced at plants in Salt Creek Field and in the Meadow Creek Fields. The North Sage Creek and Sage Creek Fields send their oil through a pipe line to Glenrock, Wyoming. The Seminoe-Kortes to Bighorn Basin power transmission line of the Bureau of Reclamation crosses the south end of the Basin near Powder River.

LAND USE AND OWNERSHIP

Grazing of domestic livestock covers over 96 percent of the area exclusive of National Forest lands. Most of the remaining four percent is devoted to production of crops of which one-third are forage crops for supplemental livestock feed and two-thirds are cash crops. Approximately 35 percent of the cropland is irrigated, the remainder being dry farmed. Within the 96 percent of grazing use there are 2.3 percent of forest lands which are grazed. The principal value of these forest lands is for watershed protection. Over half of these forest areas have commercial timber stands, mostly of low value and poor accessibility. The location of croplands is shown on the maps with this report. The forest and range lands are shown by type on the maps showing vegetation, capability, erosion and carrying capacity.

Distribution of land use within the Basin is shown in Table 2. The relative quality of the grazing land is also shown in this table as recommended stocking rate in animal unit months. Table 3 shows the relative quality of range lands in the several ownerships and different locations by surface acres of range lands per animal unit month.

Hay is produced on some areas which have been equipped with water spreading diversions and dikes. Hay is also raised on meadows which are sub-irrigated or receive a concentration of run-off from adjacent higher ground. Little native upland hay is cut. Alfalfa for hay and seed is produced on upland and meadows.

Non-irrigated or "dry farmed" land is located at many points in the more level portions of the Basin, especially along the tributary and marginal divides in the areas of relatively higher rainfall. There are concentrations of non-irrigated land near Gillette, between Arvada and Recluse in Wyoming, and at several locations in Montana.

Irrigated crop land is used principally to produce alfalfa, mixed and native hay and grain, most of which is used for livestock feed within the Basin. Sugar beets have been produced and shipped to Sheridan, Wyoming and Hardin, Montana. Limited areas are planted to potatoes and other specialized crops. Most of the irrigated land is along river and creek bottoms and is served by simple systems of low diversions and short ditches. The systems near Buffalo irrigate bench and terrace lands as well as bottom lands and have quite lengthy ditch systems and some storage reservoirs in the Big Horn Mountains. Lake DeSmet is used as a storage reservoir for Piney Creek water. There are some smaller reservoirs in the plains area which are used to store irrigation water.

The irrigated land produces most of the crops in bulk and value, and especially the forage crops of value in association with

Table 2 . - Distribution of Land Areas and Recommended Stocking by Types of Ownership and Land Uses for the Seven Study Units and for Federal Lands in the Isolated Tract Areas within the Powder River Basin in Montana and Wyoming, 1952. 1/

Study Units and Isolated Tract Areas	Range Lands																Crop Lands 3/				Total all Lands
	Federal Lands											Non-Federal Lands 2/									
	Bureau of Land Management Lands						Other Federal Lands														
	Vacant	Stock Driveway Withdrawal	Public Water Reserve	Air Navigation Site	Power Site Withdrawal	Total B L M	Naval Petroleum Reserve	Recla-mation Withdrawal	Indian Allotment	Land Utilization	Total Federal Land	State	Private	County	Total Non-Federal Range	Total Range Land	Land Utilization	State	Private	Total Crop Land	
Areas Tributary to Moorhead Reservoir Site																					
Upper Powder (acres) Animal Unit Months	727,029 81,430	120,120 14,988	1048 105	20 2		848,217 96,525	9,482 1,105				857,699 97,630	204,536 28,176	819,737 140,961	1081 32	1,025,354 169,169	1,883,053 266,799		635 1,905	17,481 52,443	18,116 54,348	1,901,169 321,147
Powder Breaks (acres) Animal Unit Months	310,000 34,854	1,512 186	120 15			311,632 35,055					311,632 35,055	47,709 5,803	420,408 53,800		468,117 59,603	779,749 94,658			3,292 9,876	3,292 9,876	783,041 104,534
Moorhead (acres) Animal Unit Months	47,957 5,854	1,585 167	108 88		1344 101	50,994 6,210		6456 878			57,450 7,088	12,744 1,683	105,882 14,781		118,626 16,464	176,076 23,552		195 585	5,015 15,045	5,210 15,630	181,286 39,182
SUB-TOTAL Unit Acres Animal Unit Months	1,084,986 122,138	123,217 1,534	1276 208	20 2	1344 101	1,210,843 137,790	9,482 1,105	6456 878			1,226,781 139,773	264,989 35,662	1,346,027 209,542	1081 32	1,612,097 245,236	2,838,878 385,009		830 2,490	25,788 77,364	26,618 79,854	2,865,496 464,863
Isolated tracts (acres) Animal Unit Months	60,225 7,729	13,175 1,646	520 68			73,920 9,443					73,920 9,443	185,554	1,648,909		1,834,463	1,908,383		2,059 6,177	93,177 279,531	95,236 285,708	2,003,619
SUB-TOTAL Acres Animal Unit Months	1,145,211 129,867	136,392 16,987	1796 276	20 2	1344 101	1,284,763 147,233	9,482 1,105	6456 878			1,300,701 149,216	450,543	2,994,936	1081 32	3,446,560	4,747,261		2,889 8,667	118,965 356,895	121,854 365,562	4,869,115
Areas Draining Below Moorhead Reservoir Site																					
Little Powder (acres) Animal Unit Months	63,169 11,901					63,169 11,901					63,169 11,901	14,547 3,445	148,238 35,352		162,785 38,797	225,954 50,698		5 15	3,119 9,357	3,124 9,372	229,078 60,070
Broadus (acres) Animal Unit Months	78,401 13,555				30 5	78,431 13,560					78,431 13,560	11,945 2,038	116,983 26,913		128,928 28,951	207,359 42,511		93 279	12,348 37,044	12,441 37,323	219,800 79,834
Powderville (acres) Animal Unit Months	211,820 46,711		40 13			211,860 46,721					211,860 46,721	75,107 18,760	253,032 64,207		328,139 82,967	539,999 129,688		110 330	9,021 27,063	9,131 27,393	549,130 157,081
Mizpah (acres) Animal Unit Months	85,860 17,078		40 13			85,900 17,091				34,293 8,516	120,193 25,607	27,814 6,623	342,244 83,435		370,058 90,058	490,251 115,665	290 870	240 720	11,341 34,023	11,871 35,613	502,122 151,278
SUB-TOTAL Unit Acres Animal Unit Months	439,250 89,245		80 23		30 5	439,360 89,273				34,293 8,516	473,653 97,789	129,413 30,866	860,497 209,907		989,910 240,773	1,463,563 338,562	290 870	448 1,344	35,829 107,487	36,567 109,701	1,500,130 448,263
Isolated tracts (acres) Animal Unit Months	94,161 20,774		76 16			94,237 20,790			456 113	17,996 4,447	112,689 25,350	122,285	1,421,549		1,543,834	1,656,523		3,840 11,520	140,383 421,149	144,223 432,669	1,800,746
SUB-TOTAL Acres Animal Unit Months	533,411 110,019		156 39		30 5	533,597 110,063			456 113	52,289 12,963	586,342 123,139	251,698	2,282,046		2,533,744	3,120,086	290 870	4,288 12,864	176,212 528,636	180,790 542,370	3,300,876
TOTAL BASIN AREA Total Unit Acres Total Animal Unit Months	1,524,236 211,383	123,217 15,341	1356 231	20 2	1374 106	1,650,203 227,063	9,482 1,105	6456 878		34,293 8,516	1,700,434 237,562	394,402 66,528	2,206,524 419,449	1081 32	2,602,007 486,009	4,302,441 723,571	290 870	1,278 3,834	61,617 184,851	63,185 189,555	4,365,626 913,126
Total Isolated Tracts Acres Total Animal Unit Months	154,386 28,503	13,175 1,646	596 84			168,157 30,233			456 113	17,996 4,447	186,609 34,793	307,839	3,070,458		3,378,297	3,564,906		5,899 17,697	233,560 700,680	239,459 718,377	3,804,365
GRAND TOTAL Acres Animal Unit Months	1,678,622 239,886	136,392 16,987	1952 315	20 2	1374 106	1,818,360 257,296	9,482 1,105	6456 878	456 113	52,289 12,963	1,887,043 272,355	702,241	5,276,982	1081 32	5,980,304	7,867,347	290 870	7,177 21,531	295,177 885,531	302,644 907,932	8,169,991

1/ Compiled from field studies made by the Bureau of Land Management, 1949-53. Includes all lands within the Powder River Basin except 378,220 acres, of which 267,300 acres are within National Forest boundaries and 75,400 acres are within the Spring Creek Land Utilization Area, LU -- WY - 21, which were not surveyed nor tabulated. Gross area of the Powder River Basin is 8,548,211 acres; net area on this table is 8,169,991 acres.

2/ Recommended stocking for State and private lands was not compiled within the Isolated Tract areas. These lands are usually superior to federal land in quality, the federal land being unselected remnants of poor land.

3/ Forage production of cropland is estimated to be 3 animal unit months per acre.

Table 3. - Surface Acres of Range Land Recommended per Animal Unit Month by Types of Landownership Within the Seven Study Units and for the Isolated Tracts of Public Domain, Powder River Basin, Montana and Wyoming, 1952. 1/

Study Units and Isolated Tract Areas	Federal Lands											Non-Federal Lands				Total Range Land
	Bureau of Land Management Lands						Other Federal Lands				Total Federal Land					
	Vacant	S.D.W.2/	P.W.R.2/	A.N.S.2/	P.S.W.2/	Total B.L.M.2/	Nav.Pet.Res.2/	R.W. 2/	I.A. 2/	L.U. 2/		State	Private	County	Total Non-Fed. Land	
Areas Tributary to Moorhead Reservoir Sites																
Upper Powder	8.9	8.0	10.0	10.0		8.8	8.6				8.8	7.3	5.8	33.8	6.1	7.1
Powder Breaks	8.9	8.1	8.0			8.9					8.9	8.2	7.8		7.9	8.2
Moorhead	8.2	9.5	1.2		13.3	8.2		7.4			8.1	7.6	7.2		7.2	7.5
Sub-Total Units	8.9	8.0	6.1	10.0	13.3	8.8	8.6	7.4			8.8	7.4	6.4	33.8	6.6	7.4
Isolated Tracts	7.8	8.0	7.6			7.8					7.8					
Sub-Total	8.8	8.0	6.5	10.0	13.3	8.7	8.6	7.4			8.7			33.8		
Areas Draining Below Moorhead Reservoir Site																
Little Powder	5.3					5.3					5.3	4.2	4.2		4.2	4.5
Broadus	5.8				6.0	5.8					5.8	5.9	4.3		4.5	4.9
Powderville	4.5		4.0			4.5					4.5	4.0	3.9		4.0	4.2
Mizpah	5.0		3.1			5.0				4.0	4.7	4.2	4.1		4.1	4.2
Sub-Total Units	4.9		3.5		6.0	4.9				4.0	4.8	4.2	4.1		4.1	4.3
Isolated Tracts	4.5		4.8			4.5			4.0	4.0	4.4					
Sub-Total	4.8		4.0		6.0	4.8			4.0	4.0	4.8					
Total Basin Area																
Total Units	7.2	8.0	5.9	10.0	13.0	7.3	8.6	7.4		4.0	7.2	5.9	5.3	33.8	5.4	5.9
Total Isolated Tracts	5.4	8.0	7.1			5.6			4.0	4.0	5.4					
GRAND TOTAL	7.0	8.0	6.2	10.0	13.0	7.1	8.6	7.4	4.0	4.0	6.9			33.8		

1/ Compiled from Table 2. - Distribution of Land Areas and Recommended Stocking by Types of Ownership and Land Uses for the Seven Study Units and for Federal Lands in the Isolated Tract Areas Within the Powder River Basin in Montana and Wyoming, 1952. This table shows the relative quality of Range Land by Ownership and Area. The quality of the range land as shown by forage production is indicated inversely by the amount of the figure. One and two-tenths acre land is the best in quality and production, 33.8 is the poorest.

2/ Column heading abbreviations: S.D.W., Stock Driveway Withdrawal; P.W.R., Public Water Reserve; A.N.S., Air Navigation Site; P.S.W., Power Site Withdrawal; B.L.M., Bureau of Land Management; Nav.Pet.Res., Naval Petroleum Reserve; R.W., Reclamation Withdrawal; I.A., Indian Allotment; L.U., Land Utilization.

the grazing use of the 96 percent of the land surface. The non-irrigated or "dry farmed" land is used principally for producing grain, usually wheat, as a cash crop.

Cropland is shown on the maps with this report. The irrigated land is along the perennial streams which issue from the Big Horn Mountains, and along the Powder River in Montana with small areas in other locations. The irrigated area is particularly extensive near Buffalo, along Clear Creek and near Kaycee on the Powder River and its' tributaries. Most of the cropland along the Powder River, north of Sussex in Wyoming is not irrigated. In Montana most of the cropland along the Powder River is irrigated by pumping.

Water surface, highways, townsites and industrial developments occupy an insignificant portion of the surface. Intensively developed oilfields practically exclude other uses in some areas such as the Salt Creek Field. The presence of timber on certain areas, the widespread use by wildlife, the detrimental effect of grazing on certain watershed areas and the popularity of the hunting and recreational advantages of the Basin creates problems of public land administration which are discussed in a later section of this report.

Area of the Powder River Basin is 8,548,211 acres, including 302,820 acres within National Forest boundaries and 75,400 acres within the Spring Creek Land Utilization Area. Land within these two areas of Federal administration was not inventoried nor tabulated for this report. There is a net area of 8,169,991 acres within the study units and isolated tract classification areas considered in this report which is distributed by landownerships and land uses in Table 2. Landownership in the Powder River Basin study area is 68.2 percent private, 23.1 percent Federal, 8.7 percent State and .01 percent county. Distribution of landownership by classes within the study units and the isolated tract areas is shown in Table 2. The relative quality of the ownerships in the several classes is also shown in Table 2 as recommended stocking rate in animal unit months. This information is further defined in Table 3 which shows the relative quality of the several ownerships in surface acres per animal unit month.

There are 7,867,347 acres of range land in the Basin, exclusive of the area within the Bighorn National Forest and the Spring Creek Land Utilization Area. This range area is 24 percent Federal, 9 percent State and 67 percent private ownerships. Within the study units 67 percent of the stocking capacity is furnished by lands other than

Federal, and 33 percent is supplied by Federal land. In the isolated tract areas only 5 percent of the area is in Federal ownership, 95 percent being other ownerships, nearly all of which is private.

Croplands in the Basin are virtually all in private ownership as shown in Table 4. Total area of cropland is 302,644 acres, of which 97.5 percent is private, 2.4 percent is State and only .1 percent is Federal land.

The amount of Federal and non-Federal land ownerships, and the area of croplands within each of the seven study units and within the two isolated tract areas above and below Moorhead Reservoir Site is distributed by percentage in Table 5. This tabulation shows the large amounts of Federal lands in the study units and the concentrations of crop lands in the isolated tract areas. The amount of non-Federal land varies from 54 percent in the Upper Powder area to 92 percent in the isolated tract areas above Moorhead Reservoir Site.

The amount of Federal and non-Federal land ownerships, the total range area, the cropland area and the total land area is distributed by percentage among the seven study units and the two isolated tract areas above and below Moorhead Reservoir Site in Table 5. This tabulation shows a relatively high concentration of Federal lands within the Upper Powder within the large isolated tract areas. This is depicted on the maps accompanying this report.

Table 4. - Relative Distribution of Range Lands and Croplands Within Study Units, Powder River Basin, Montana and Wyoming, 1953.

	Range Lands			
	Total Federal Lands (%)	Non - Federal Lands (%)	Crop Lands (%)	Total Area Acres
Areas Tributary to Moorhead Reservoir Site				
Upper Powder	45	54	1	1, 901, 169
Powder Breaks	40	59	1	783, 041
Moorhead	32	65	3	181, 286
Isolated Tracts	4	92	5	2, 003, 619
Sub-Total	27	71	2	4, 869, 115
Areas Draining Below Moorhead Reservoir Site				
Little Powder	28	71	1	229, 078
Broadus	36	58	6	219, 800
Powderville	38	60	2	549, 130
Mizpah	24	74	2	502, 122
Isolated Tracts	6	86	8	1, 800, 746
Sub-Total	18	77	5	3, 300, 876
Grand Total	23	73	4	8, 169, 991

Table 5. - Relative Distribution of Land Areas by Landownership and Land Use Among Study Units, Powder River Basin, Montana and Wyoming, 1953.

	Total Federal Lands (%)	Total Non-Federal Lands (%)	Total Range Lands (%)	Crop Lands (%)	Total All Lands (%)
Areas Tributary to Moorhead Reservoir Site					
Upper Powder	45	17	24	6	23
Powder Breaks	17	7	10	1	10
Moorhead	3	2	2	2	2
Isolated Tracts	4	31	24	31	25
Sub-Total	69	57	60	40	60
Areas Draining Below Moorhead Reservoir Site					
Little Powder	3	3	3	1	3
Broadus	4	2	3	4	3
Powderville	11	5	7	3	6
Mizpah	7	6	6	4	6
Isolated Tracts	6	27	21	48	22
Sub-Total	31	43	40	60	40
Grand Total	23	77	96	4	100

PROPOSED PROGRAMS AFFECTING PUBLIC DOMAIN LANDS IN THE POWDER RIVER BASIN

I. Isolated Tract Classification Areas.

There are 11 areas of the Powder River Basin which are shown on the Proposed Land Use and Improvement Map, as Isolated Tract Classification. Management programs on these 11 areas are confined to retention of designated tracts in Federal ownership for specific purposes. These portions of the Basin include over 46 percent of the entire Basin. Less than five percent of the land is vacant public domain which consists of numerous, isolated and often widely separated tracts usually of small size but occasionally exceeding 1,000 acres. Control of these public lands by livestock operators is virtually the same as for the surrounding State and privately-owned lands. Administration by the Bureau of Land Management is difficult, expensive, ineffective and often unsatisfactory to the public. Retention of public domain in Federal ownership in these areas can be justified only where the land possesses some public or multiple use values which would be adversely affected by transfer of the land to private ownership.

Public domain in these areas is listed in Table 6 by legal description and acreage with general character, present use, highest capability and proposed management for each tract. This data has been summarized by counties in Table 7. Some of the lands possess values for public campsites or picnic grounds due to their proximity to a highway or to possible attractive fishing in Powder River below the proposed Moorhead Dam. Recreation is shown as the principal suitability for these lands in Table 6 and they are segregated under recreational use in Table 7. Segregation of these lands is proposed pending possible application by state, county or local agencies under the Recreational Site Act (44 Stat. 741) approved June 14, 1926 and amended by the Act of June 4, 1954 (68 Stat. 173; 43 U. S. C. 869). There are 3,800 acres of these lands.

Other public domain lands, as indicated in the table possess timber, wildlife, watershed or other multiple use values which might be adversely affected by passage of the lands to private ownership. Still others are capability class VIII lands or class VII lands whose productive values are so low that the lands would be an unjustifiable burden to any individual purchaser. These lands are all listed in Table 6 and segregated under Multiple Use in Table 7. Retention in Federal ownership of 23,131 acres is proposed.

Table 7 . - Proposed Tenure and Use Within Areas and Recommended Stocking of Public Domain Lands in Isolated Tract Classification Areas by Counties in the Powder River Basin, Montana and Wyoming, 1953. 1/

					To be retained in Federal Ownership for:					
	Total Public Domain		For Disposal to Private Ownership		Recreational Use		Multiple Use		Other Use	
State and County	Area Acres	Rcmnd. Stkng. Rate AUMS. 2/	Area Acres	Rcmnd. Stkng. Rate AUMS. 2/	Area Acres	Rcmnd. Stkng. Rate AUMS. 2/	Area Acres	Rcmnd. Stkng. Rate AUMS. 2/	Area Acres	Rcmnd. Stkng. Rate AUMS. 2/
Montana										
Carter	4,459	1,087	4,346	1,051			113	36		
Custer	18,860	4,348	17,912	4,290			948	58		
Powder River	54,688	12,088	44,971	10,124	1,800	427	7,917	1,537		
Prairie	4,988	579	973	243			2,649	75	1,366	261
Totals	82,995	18,102	68,202	15,708	1,800	427	11,627	1,706	1,366	261
Wyoming										
Campbell	30,656	5,462	27,973	5,121	160	25	2,523	316		
Converse	240	17	240	17						
Johnson	48,055	5,509	33,446	3,761	1,840	262	8,981	892	3,788	594
Natrona	80	7	80	7						
Sheridan	9,956	1,389	9,956	1,389						
Washakie	1,320	251	200	33					1,120	218
Totals	90,307	12,635	71,895	10,328	2,000	287	11,504	1,208	4,908	812
GRAND TOTAL	173,302	30,737	140,097	26,036	3,800	774	23,131	2,914	6,274	1,073
Acres per A.U.M.	5.6		5.4		4.9		8.0		5.8	

1/ This table has been compiled from Table 6, which gives the same information for each tract of public domain in the Powder River Basin. Totals of Tables 4 and 5 include total area of all public domain tracts with any part within the basin. Therefore, the Isolated Tract areas shown in Table 6 will not agree with the totals in Tables 4 and 5 , as the areas in Table 6 are restricted to the basin area. The location of the Isolated Tract classification areas is shown on the Proposed Land Use and Improvement Map. The location of each tract of public domain in the basin is shown on the base of each map, in the Map Appendix with this report.

2/ Animal Unit Month, the amount of range forage necessary to properly feed 1 cow for 1 month.

In Prairie County, Montana, 1,366 acres of vacant public domain lands whose principal suitability is shown as grazing are proposed for retention in Federal ownership due to their interspersion with other lands administered by the Forest Service. Disposition of these public domain lands should be the same as for the Forest Service lands. If they are retained permanently in Federal ownership, administration should be by a single Federal agency. These lands are shown under "Other Use" in Table 7.

In Johnson and Washakie counties, Wyoming, certain public lands are withdrawn for use as stock driveway as shown in Table 6. Retention in Federal ownership and continued administration by the Bureau of Land Management is proposed for these lands. They are also segregated under "Other Use" in Table 7. There are 4908 acres of these lands.

There are no apparent public or multiple use values at present on the remaining isolated tracts which would be adversely affected by passage of the lands to private ownership. They apparently are not needed in any public land program and there is no need for their retention in Federal ownership. Their disposal to private or State ownership will not be contrary to the public interest. There are 140,097 acres of these lands.

Disposition of the foregoing public lands to private or state ownership is proposed in the following manner:

(1) Offer all lands at public sale in order that the established local livestock economy may be safeguarded to the greatest possible extent.

(2) Offer any remaining lands to the respective state in exchange for approximately equal acreages of state-owned lands within the management units or organized grazing districts.

(3) Offer any lands still remaining to the respective state in satisfaction of any outstanding lieu selections due to it.

II. Study Unit Areas.

In the Little Powder Study Unit the public lands are chiefly valuable for grazing. They comprise 28 percent of the study unit, but less than 10 percent of the total drainage area of the Little Powder in Wyoming.

With few exceptions, access to public domain is completely controlled by surrounding State and privately-owned lands. Timber and watershed values are very limited. There are no public or multiple use values on these lands which would be adversely affected by passage of the lands to private or State ownership. Disposition of 63,169 acres of these lands in this unit by the Bureau of Land Management is proposed by the methods outlined above for the Isolated Tract Classification Areas.

The six remaining detailed study units include nearly 51 percent of the entire Basin. The percentage of Federal lands in each unit is as follows: Upper Powder, 45 percent; Powder Breaks, 40 percent; Moorhead, 32 percent; Broadus, 36 percent; Powderville, 39 percent; and Mizpah, 24 percent. Most of the public lands in these units possess multiple use values for watershed, wildlife, grazing, etc. which would be adversely affected by passage of the lands to private ownership. Retention in public ownership and continued administration by Federal agencies is proposed for public domain lands in these study units in order to promote the highest use of the public lands as directed by the Taylor Grazing Act. Designation of these study units as Management Units is proposed in order to facilitate administration as follows: 1 - Upper Powder; 2 - Powder Breaks; 3 - Moorhead; 4 - Broadus; 5 - Powderville; and 6 - Mizpah.

PROBLEMS RELATING TO THE PUBLIC DOMAIN IN THE MANAGEMENT UNITS

Range Problems

Mismanagement of grazing livestock, due largely to unrestricted competition for use of the free range on public domain in the Powder River Basin prior to passage of the Taylor Grazing Act in 1934, was the direct cause of serious range and watershed deterioration existing there at present. Specific range problems are discussed below. These problems, although discussed separately, are closely interrelated and should so be considered.

Problem 1. Forage Supply

Forage depletion is the most serious problem in the Basin from the economic viewpoint of the livestock industry and the individual operator. Carrying capacity has been reduced approximately one-half on range lands in fair condition and three-fourths on range lands in poor condition. In the Upper Powder Study Unit 36 percent of the plains portion is in good condition, 59 percent in fair condition and 5 percent in poor condition. On the mountain range only 13 percent is in good condition, 73 percent in fair condition and 14 percent in poor condition. There is little difference in the condition of range lands which could be attributed to differences in ownership.

Specific factors of mismanagement which have been primarily responsible for forage depletion include over-use and improper seasonal use. Both of these have been due to overstocking, originally caused by over-dependence on the free range, and lack of supplemental feed for use during drought years and heavy watering facilities for livestock have also been important factors in many areas.

Grasshoppers have severely depleted range forage over large areas of the Basin in several years since 1920. Adequate control measures have been developed by the Grasshopper Control Project of the Plant Pest Control Branch of the Bureau of Plant Industry, Soils and Agricultural Engineering. This Bureau is a division of the Department of Agriculture. Proper application of control measures should eliminate serious damage from grasshoppers in the future. In the past they have virtually denuded large areas, destroying forage and grain crops as well as range. Extensive campaigns of poison bait spreading by airplane and surface spreaders have been employed in the Basin for several years since 1930. The Basin has been one of the most severely infested regions of grasshopper infestation in the past.

Forage depletion is evident throughout the Upper Powder Study Unit in the changed composition of the vegetative cover. Valuable forage grasses have been replaced by less valuable ones over large portions of the range. Areas which have been subjected to especially severe over-use have been virtually denuded. Natural revegetation of such areas would be an extremely slow process. Reseeding is proposed on 1,045 acres as shown on the Proposed Land Use and Improvements Map and will provide an estimated additional 157 animal unit months of forage.

On other areas sagebrush has invaded grassland or become so dense that livestock cannot use the forage growing under it. Removal of sagebrush by controlled burning or mechanical means is proposed on 29,640 acres as shown on the Proposed Land Use and Improvement Map, and will provide an estimated additional 5,185 animal unit months of forage.

Waterspreading reduces run-off, retards erosion, reduces sediment contributions to the main stream and greatly increases forage production. Contour furrows produce the same effects to a lesser extent but can be used on steeper slopes than waterspreaders. Waterspreading on 35,791 acres and contour furrowing on 93,149 acres is proposed as shown on the Proposed Land Use and Improvement Map. Increased production of forage from these developments is estimated on the basis of 250 percent for waterspreading and 100 percent for contour furrows, at 10,700 and 12,100 animal unit months, respectively. These proposed improvements are segregated in Table 8 between Federal lands and State and private lands. Total increased forage production in this study unit from the foregoing proposed developments is estimated at 28,142 animal unit months.

Development of reservoirs, as proposed by the Bureau of Reclamation, for the storage of water to irrigate potential croplands in the Middle and Lower Powder River Basins will increase total feed and forage production materially. Two such reservoirs are proposed; Hole-in-the-Wall, on the Middle Fork of Powder River, west of Kaycee in the Upper Powder Study Unit, and Moorhead, on the main stem of the Powder River in Montana, on the line between the Moorhead and Broadus Study Units.

It is estimated that Hole-in-the-Wall Reservoir will provide the equivalent of an additional 101,000 animal unit months of forage, by irrigation of potential crop lands in those parts of the Upper and Middle Basins which are most remote from railway transportation. Increased production of potential crop lands by irrigation from the proposed Moorhead Reservoir is estimated at the equivalent of 195,400 animal unit months of forage in some of the most remote parts of the entire Powder River Basin. The total increased forage production from these two proposed Bureau of Reclamation developments is estimated at 296,400 animal months or nearly twelve percent of the estimated present production of the whole Basin.

Problem 2. Faulty Distribution of Livestock

The effectiveness of range rehabilitation measures is dependent upon good range management, especially proper stocking and distribution of livestock. Inadequate or poorly located water facilities for livestock have caused severe over-use of forage in the vicinity of existing facilities. The development of 1,679 watering facilities, mainly stock water reservoirs, is proposed throughout the Basin

Table 8. - Summary of Proposed Conservation Improvements by Landownership in the Powder River Basin, Montana and Wyoming, 1955. 1/

Type of Improvement	Unit	Number
A - On Federal Lands:		
Stockwater Reservoirs	Each	651
Spring Developments	Each	4
Rodent Control	Acres	405
Waterspreading	Acres	8,630
Range Revegetation	Acres	50
Eradication Poisonous Plants	Acres	2,320
Sagebrush Removal	Acres	13,570
Contour Furrows	Acres	36,780
Gully Planting (trees & shrubs)	Miles	120
Large Detention Dams	Each	26
Permanent Check Dams	Each	3
Temporary Check Dams	Each	1,121
B - Private and State Lands:		
Stockwater Reservoirs	Each	1,007
Spring Developments	Each	17
Rodent Control	Acres	1,930
Waterspreading	Acres	27,161
Range Revegetation	Acres	995
Eradication Poisonous Plants	Acres	895
Sagebrush Removal	Acres	16,070
Contour Furrows	Acres	56,369
Gully Planting (trees & shrubs)	Miles	150
Large Detention Dams	Each	54
Permanent Check Dams	Each	43
Temporary Check Dams	Each	1,191

1/ Determined by field investigation, Bureau of Land Management, 1949 - 53. Location of the proposed improvements is shown on the Proposed Land Use and Improvements Map in the Map Appendix of this report.

as shown on the Proposed Land Use and Improvement Map. These developments, together with proper location of salting grounds, adequate fencing and other management practices, should materially alleviate the problem of livestock distribution.

Problem 3. Rodents

In some places rodents have not been molested since the virtual elimination of their natural enemy, the coyote, and have increased in numbers to such an extent that they use or destroy significant amounts of forage. Prairie dogs are most common on plains areas while pocket gophers, marmots and meadow mice are most common on the mountain areas. Control of these rodents is proposed, in cooperation with the United States Fish and Wildlife Service, on 2, 335 acres which will provide an estimated additional 220 animal unit months of forage. Locations of the areas on which control is proposed are shown on the Proposed Land Use and Improvement Map accompanying this report.

Problem 4. Poisonous Plants

Poisonous plants have increased significantly due to overuse of the principal forage plants in some places. Use of these areas by livestock is hazardous and usually involves some losses. Larkspur, woody aster and death camas were the principal species involved at the time these studies were made but by July 1, 1955 halogeton had invaded an area from four to ten miles wide along both sides of the Chicago, Burlington and Quincy Railroad where it crosses this area through Powder River, northwest of Casper, Wyoming. This plant is the object of special control operations by the Bureau of Land Management and, therefore, is not included in the following proposal. Eradication of poisonous plants is proposed on 3, 215 acres and will provide an estimated additional 643 animal unit months of forage. Areas of infestation are shown on the Proposed Land Use and Improvement Map.

Watershed Deterioration

Watershed breakdown is the most serious problem in the Powder River Basin, from the viewpoint of the public land administrator and the general public welfare. It goes hand in hand with range depletion and it is, therefore, evident that the preceding proposals to restore range productivity will aid materially in the restoration of watershed stability. However, such proposals will not suffice in a good many cases but must be augmented by physical improvements developed under a comprehensive plan for control of complete watershed units.

The following improvements are proposed as shown on the Proposed Land Use and Improvement Map: 270 miles of gully planting to trees and shrubs; 2,312 temporary check dams; 46 permanent check dams; and 80 large detention dams. Such developments materially reduce run-off, sediment production, bank sloughing along main channels, sedimentation of downstream reservoirs and consequent damage to other developments.

In order that harmful uses by livestock, which contributes to watershed breakdown, may be corrected it is proposed that livestock be permanently excluded from capability class VIII lands and temporarily excluded from all capability class VII lands in poor condition; and livestock use on capability class VII lands in fair condition and on capability class V and VI lands in poor condition should be severly limited. It is recognized that these limitations of use are difficult and occasionally impossible to apply. Use limitation is needed in order that accelerated erosion and rapid watershed deterioration may be halted and the rehabilitation measures previously proposed allowed to repair the damage inflicted by past uncontrolled misuse.

In the Powder Breaks Unit a special condition exists which affects the construction of proposed waterspreading and detention dams. As the name implies, this study unit lies in the breaks along the main river in the Middle Powder Basin. Nearly half of the total drainage area is tributary to the study unit. For individual drainages the percentage lying above the study unit varies from 25 percent to 80 percent. Nearly all lands on the headwaters of these tributary drainages are privately owned.

Construction of waterspreading and detention dams in this unit, as shown on the Proposed Land Use and Improvement Map, would, therefore, be useless unless it were co-ordinated with construction of similar improvements on the tributary patented lands designed to control run-off from the entire drainage area. Authorization for the planning of such improvements by the Soil Conservation Service is contained in the Flood Control Act of 1946. Construction will eventually be accomplished through rancher-government cooperation under the Agricultural Stabilization and Conservation Administration or some similar Federal or State program, since it is beyond the capabilities of individual operators in most cases. The Watershed Protection and Flood Prevention Act (Public Law 566-83rd Congress - 68 Stat. 666) approved August 4, 1954 is expected to increase the formulation and effectiveness of such programs to a considerable extent in the future.

The Moorhead Dam, previously mentioned, has been proposed by the Bureau of Reclamation as a multi-purpose project as follows:

Irrigation Storage	22 percent	250,000 acre feet
Super-charge for flood	22 percent	250,000 acre feet
Sediment storage 100 years	56 percent	650,000 acre feet
Totals	100 percent	1,150,000 acre feet
Total estimated cost	$27,470,000.00	

Field studies made by the Bureau of Land Management indicate that the Upper and Middle Powder Basins tributary to this damsite comprise approximately 60 percent of the entire Powder River Basin and probably contribute at least 85 percent of the total sediment. If this dam is not built such sediment will continue to clog the main channel of the Powder River in Montana and will eventually occupy a portion of the storage capacity of Garrison Reservoir in North Dakota.

The proposed Hole-in-the-Wall Dam in the Upper Basin has been designed mainly for flood control and irrigation. Its construction will reduce bank cutting and sloughing to a considerable extent due to its equalizing effect on the flow of the Middle Fork of the Powder River.

Land Use Problems

Problem 1. Complicated Land Ownership Pattern

Private, State and Federal lands are intermingled in the Powder River Basin to such an extent that the varying degrees of legal control exercised over them by livestock operators is a serious problem in land use.

In order that administration of public lands in the proposed management units may not be hampered by unnecessary complications of intermingled ownership, it is proposed that a program be initiated for consolidation of ownership within the management units in the following manner:

1. Through State Exchanges as previously proposed for the Isolated Tract Classification Areas.
2. Through private exchanges of isolated tracts in the isolated tract area or within the management units wherever such exchanges can be made, so as to consolidate ownership and simplify administration.
3. Adjustment of management unit boundaries to exclude as much as possible of the State and privately owned land and to conform with topographic range unit boundaries so far as possible.

Problem 2. Recreational Use

Recreational values existing on public domain in the Powder River Basin consist primarily of opportunities for big game hunting. Antelope and mule deer are the two most abundant species, but elk are also important in the mountains. The Basin was highly regarded for hunting by the Indians prior to settlement by white men. Accessibility of game ranges and increasing abundance of the three species mentioned during the past decade have attracted many out-of-state hunters, in addition to numerous resident hunters from nearby towns and cities. Such popularity has resulted in occasional damage to buildings, fences and livestock by irresponsible hunters and has caused considerable ill feeling between ranchers and resident sportsmen. There is an increasing tendency toward severe restriction of public hunting privileges, especially in the Wyoming portions of the Basin. This tendency has culminated in organization of the Northwestern Game Protective Association of Campbell County. Members collect a "trespass fee" of $10.00 to $25.00 per person per day for the privilege of hunting on lands under the members control. Such organization could severely limit public hunting in the Basin, even though it were far from complete.

Wyoming State Laws do not require a property owner to grant a right-of-way across deeded lands for access to public lands by authorized users of that land. Thus, where access to public land is controlled by adjoining State or privately owned lands, livestock operators exert virtually the same control over the public land as over the other lands. Few hunters are aware of the exact location of the public lands and most of them are, therefore, susceptible to whatever restrictions may be imposed by the livestock operators. Many livestock operations which include large acreages of public domain accessible by public road are posted against "hunting, fishing or trespassing". Some of them include the phrase "without permission of the owner", but seldom give his name or whereabouts.

The Taylor Grazing Act was written primarily to stop injury to the public lands by grazing livestock and to "promote the highest use" of these lands. Use of the forage by grazing livestock is most important to the individual operator, but should not be allowed to limit the exercise of legitimate public hunting privileges. It is proposed that permission for use of State and privately owned lands remaining within the proposed management units by hunters be secured by cooperative agreement or range management plan stipulation wherever possible. It is further proposed that as soon as such cooperative agreements or range management plan stipulations are secured for all State and private lands within a management unit, that it be declared a Public Hunting Ground and prominently posted as such. Concurrent use of the proposed Public Hunting Grounds by livestock, and hunters should be minimized by adjustments in seasons of use by livestock or seasons for hunting or both.

Problem 3. Stock Driveways

Stock driveway problems in the Powder River Basin are limited to the Upper Powder Study Unit where 13 percent of all Federal lands or 126,201 acres have been withdrawn for this purpose. Local names of principal driveways with the acreage of each, by counties, in this part of the Basin are listed below:

Name	Johnson	Natrona	Washakie	Total
	Acres	Acres	Acres	Acres
33-Mile Trail	40	45,020		45,060
E-K Trail	2,960	42,300	9,893	55,153
Mayoworth Trail	13,420			13,420
Waltman-Rattlesnake		9,163		9,163
Other Minor S.D.W.	3,405			3,405
Totals	19,825	96,483	9,893	126,201

These driveways are a necessity in this part of the Basin where they provide legitimate routes of travel between seasonal ranges and shipping points. Principal shipping points are on the Chicago, Burlington and Quincy Railroad at Powder River, Arminto and Bucknum, located respectively in the Powder River and adjoining Wind River and North Platte Basins.

Complete lack of control over use of stock driveways prior to passage of the Taylor Grazing Act in 1934 led to many abusive practices with resultant serious damage to range productivity. Closing of former shipping points at Waltman and Natrona, located respectively in the Powder and adjoining North Platte Basins, on abandoned portions of the Chicago and Northwestern Railroad, has increased use on some driveways and lessened or eliminated use on others. Three-fourths of the plains portion of this study unit is located in Natrona County, where 97 percent of all driveway use in 1947 was by sheep. Sheep and some cattle from the Upper and Middle Powder Basins, as well as from the adjoining North Platte, Wind River and Bighorn Basins, use the driveways of this unit. Where driveway forage is inadequate for the needs of trailing livestock, trespass on adjoining range lands often ensues. Retaliatory trespass on driveway forage is common and further reduces the forage available for legitimate use.

Some operators have disposed of their mountain range and converted to a fenced pasture, non-trailing type of operation. Such conversions have been induced by the inadequacy of forage on stock driveways, the difficulty and expense involved in trailing operations and the serious depletion of summer range on the mountains. They have become feasible due to adequate fencing and the development of livestock water and bottomland hay meadows on the plains ranges. Each change from a trailing operation to a fenced pasture, non-trailing one, usually reduces the demand for driveway use materially since the mountain range is usually acquired by an operator who is much closer to the mountain range than the one who is making the change. The conversion also often involves a change from sheep to cattle which in itself materially reduces driveway use. It is probable that a number of sheep operations which presently trail to summer range on the mountains, especially the ones trailing the greatest distance and therefore making the heaviest use of the driveways, could profitably change to a fenced pasture, non-trailing type of operation. Changing from sheep to cattle would also probably be profitable in some cases. It is therefore proposed that in the preparation of range and stock driveway management plans careful consideration be given to all possibilities for such conversions.

Driveway use will vary with trailing practice, classes of livestock and with the organization and operation of the many individual livestock enterprises involved. It is proposed that the driveway situation be constantly under review by the range manager and that driveway use, leasing and withdrawals be regulated as the result of such study. Usually there are operators who over use driveways by slow or delayed trailing. Conversely, operators adjacent to the driveway may tend to graze the driveway. Both of these offenders must be regulated to proper use.

Policing and cooperative fencing of stock driveways and land ownership adjustments to improve the continuity of driveway lands by the Bureau of Land Management during the past decade have largely eliminated abuse and brought about an orderly use previously unknown. Specific problems relating to individual driveways are discussed below.

Thirty-three Mile Trail provides access to the shipping point at Bucknum, on the Chicago, Burlington and Quincy Railroad, for stock from summer range in the Big Horn Mountains. The segment which extends from Lone Bear, on the South Fork of the Powder River to the North Platte Divide, near the shipping point at Bucknum, has been subjected to severe over-use which has resulted in serious depletion of the vegetative cover. Over-use on this part of the driveway has been due to uncontrolled trespass and unnecessary trailing to the shipping point. Incomplete marking and fencing of driveway lands make the elimination of trespass use difficult and the trailing of entire breeding herds to the shipping point prior to separation of market stock, approximately triples use by some outfits. Legitimate trailing use on this segment of driveway may also have been increased due to closing of the former shipping point at Natrona, necessitating the use of this driveway by some outfits formerly using the Natrona driveway.

In order to provide for range rehabilitation requiring a minimum of interference with established use on the Thirty-three Mile Trail the following developments and restrictions of use on the Lone Bear-Cloud Creek segment are proposed:

1. Mountain adequate holding areas and separating corrals at Lone Bear on the South Fork of Powder River.

2. Promote an all-weather county road from Bucknum to Lone Bear.
3. Require separation of market stock and breeding herds at Lone Bear.
4. Restrict fall trailing use to market stock and those breeding herds which must use this route to reach their fall, winter or home ranges.
5. Restrict use to spring trailing, since trucking of ewes and lambs is not feasible until after weaning time. This last restriction is proposed only in case adequate recovery of the vegetative cover appears to be improbable under the preceding restrictions.
6. Continued supervision of driveway use and completion of marking and fencing.

E-K Trail provides access to the shipping point at Arminto on the Chicago, Burlington and Quincy Railroad for stock from summer range on the Big Horn Mountains. Withdrawals of public lands for this driveway include over 55,000 acres in Powder River Basin, in addition to nearly 12,000 acres in the adjoining Wind River Basin.

Formerly, uncontrolled trespass use and unnecessary trailing of breeding herds to the shipping point at Arminto have had much the same adverse affects upon vegetative cover as on the Thirty-three Mile Trail. Closing of the shipping point at Natrona also increased legitimate use of this driveway.

Additional fencing in accordance with plans made by the District Manager's Office is the only specific problem concerning this driveway in the Powder River Basin. Adjustments are proposed in the Detailed Land Classification Report on the adjoining Wind River Basin, published by the Bureau of Land Management in June 1949.

Mayoworth Trail, beginning near Kaycee, is continuous from Mayoworth, westward up the mountain to Beartrap Creek and then northward to the National Forest on the North Fork of Powder River. It provides access to the mountain range for stock mostly from the Middle Powder Basin. It leaves the Upper Powder Detailed Study Unit one mile east of Beartrap Creek and traverses an area of predominantly patented lands for about twelve miles to the Forest boundary. For the first eight miles of this distance it follows the Hazelton county road and then crosses the moderately rough and heavily timbered North Fork canyon which cannot be used as driveway. No stock enters the Forest from this trail, cattle entering directly from the adjoining patented lands. Further study of actual use on the segment of this driveway, from Beartrap to North Fork of Powder River, is proposed in order to determine whether or not its continued maintenance and policing by the Bureau of Land Management is necessary and justifiable.

Closing of shipping facilities at Waltman diverted former use of the Waltman-Rattlesnake Trail, to the Powder-North Platte Divide, on a trail leading to Powder River, on the Chicago, Burlington and Quincy Railroad. This left many acres of stock driveway withdrawal unused and created a definite need for driveway lands along the North Platte Divide and additional lands for holding areas in the vicinity of Powder River. Withdrawal of public domain lands, for stock driveway use along this trail to Powder River, is proposed as listed below:

Natrona County - Wyoming

T. 35 N., R. 85 W., 6th Principal Meridian

Section 2	SW¼SE¼	40 Acres
Section 4	SW¼, S½SE¼	240 Acres
Section 9	NE¼, N½NW¼, SE¼NW¼, SW¼	440 Acres
Section 10	SW¼NW¼, E½SE¼	120 Acres
Section 11	NE¼NW¼, NW¼NE¼	80 Acres
Section 14	S½NE¼, E½NW¼, SW¼	320 Acres
Section 15	SE¼, S½SW¼, NW¼SW¼	280 Acres
Section 21	E½SE¼	80 Acres
Section 22	All (part Glendo area)	640 Acres
Section 31	All (part Glendo area)	640 Acres
Total		2,880 Acres

Approximately 17,560 acres of stock driveway withdrawal near Waltman is no longer used for stock driveway purposes but is leased under Section 15 of the Taylor Grazing Act to adjoining livestock operators for grazing use. Revocation of the withdrawal and restoration to the status of vacant public domain may be desirable for the lands listed below:

6th P. M. Wyoming Twp. North	Range West	Sec.	Subdivision	Acres	
34	86	5	SW¼	160	
		6	Lots 1, 2, S½NE¼, N½SE¼, SW¼SE¼	280	
		8	W½	320	
		17	N½, SE¼	480	
		20	NE¼(part in North Platte)	160	
					1, 400
35	86	6	Lots 1, 2, 3, 4, 5, 6, 7 S½NE¼, SE¼NW¼, E½SW¼	480	
		7	Lots 1, 2, 3, 4, SE¼SW¼, SE¼	360	
		18	Lots 3, 4, E½SW¼, SE¼	320	
		19	Lot 1, 2, 3, 4, E½W½	320	
		30	Lots 1, 2, 3, 4, E½W½	320	
		31	Lots 1, 2, E½NW¼, E½	480	
					2, 280
35	87	2	All	640	
		9	All	640	
		10	All	640	
		11	All	640	
		13	N½, E½SE¼, W½SW¼	480	
		14	All	640	
		15	All	640	
		24	All	640	
		25	All	640	
					5, 600
36	86	4	Lots 2, 3, 4, S½N½, S½	540	
		5	Lots 1, 3, 4, S½NW¼, S½	460	
		6	Lots 1, 2, 3, 4, 5, 6, 7, S½NE¼, SE¼NW¼, E½SW¼, SE¼	560	
		7	Lots 1, 2, E½NW¼, NE¼	320	
		8	N½, N½S½, S½SE¼, SE¼SW¼	600	
		9	All	640	
		10	NW¼, S½	480	
		15	NW¼, N½SW¼	240	
		18	Lots 1, 2, 3, 4, E½SW¼	240	
		22	S½NW¼, SE¼	240	
		23	S½NW¼, S½	400	

6th P. M. Wyoming Twp. North	Range West	Sec.	Subdivision	Acres	
36	86	24	S½	320	
		25	E½E½	160	
					5, 200
36	87	1	Lots, 1, 2, S½NE¼, SE¼	320	
		12	SE¼	160	
		13	E½, E½W½, SW¼NW¼, W½SW¼	600	
		24	N½	320	
		25	N½N½	160	
					1, 560
37	86	30	Lot 4, SE¼SW¼, SW¼SE¼	120	
		31	All (part in Wind River Basin)	640	
					760
37	87	24	E½NW¼, W½NE¼, SE¼	320	
		25	E½, E½SW¼, SE¼NW¼	440	
					760
			Grand Total		17, 560

Other minor stock driveway withdrawals in the Upper Powder study unit and in the Middle Basin serve no useful purpose and their continued maintenance is not necessary. Revocation of 13, 180 acres of unused stock driveway withdrawal and restoration to the status of vacant public domain is proposed as listed below:

6th P. M. Wyoming Twp. North	Range West	Sec.	Subdivision	Acres	
37	77	4	S½S½	160	
		5	S½S½	160	
		6	S½SE¼, SE¼SW¼, Lot 4	160	
					480
39	81	3	Lots 1, 2, 3, 4, S½N½	320	
		4	Lots 1, 2, 3, 4, S½NE¼, SW¼NW¼	280	

6th P. M. Wyoming Twp. North	Range West	Sec.	Subdivision	Acres	
39	81	5	Lots 1, 2, 3, 4, SE¼NE¼, SW¼NW¼	240	
		6	Lots 1, 2, 3, 4, 5, S½NE¼, SE¼NW¼	320	
					1, 160
39	82	1	Lots 1, 2, S½NE¼, S½	480	
		2	S½	320	
		10	S½, S½N½	480	
		11	N½	320	
					1, 600
40	78	5	Lots 3, 4	80	
		6	Lots 1, 2, 3	120	
					200
41	78	5	SW¼SW¼	40	
		6	Lots 2, 3, 4, SE¼NW¼, S½NE¼, SE¼, E½SW¼	480	
		7	NW¼NE¼, E½E½	200	
		8	NW¼NW¼, S½NW¼, SW¼, SW¼SE¼	320	
		17	W½, W½E½	480	
		20	W½, W½E½	480	
		29	W½, W½E½	480	
		32	N½NW¼, SW¼, W½SE¼	320	
					2, 800
42	77	27	S½	320	
		34	N½	320	
					640
42	78	13	SW¼	160	
					160
42	85	4	W½	320	
		5	Lots 1, 2, 3, 4, S½NE¼	240	
					560
42	86	2	Lot 3, SE¼NW¼, NE¼SW¼	120	
			Lot 1, SE¼NE¼, NE¼SE¼	120	
					240
43	77	6	Lots 6, 7, E½SW¼, SE¼	320	
					320

6th P. M. Wyoming Twp. North	Range West	Sec.	Subdivision	Acres	
43	78	12	W½	320	
		15	SW¼, S½NW¼, NW¼NW¼	280	
		22	NW¼	160	
		30	Lots 1, 2, E½NW¼, NE¼	300	
					1,060
43	79	9	NE¼	160	
		10	NW¼	160	
					320
43	84	31	N½ (part)	200	
		32	NW¼(part) S½SE¼(part)	200	
		33	S½N½	160	
		34	W½NW¼	80	
					640
44	77	33	N½	320	
					320
44	81	17	NW¼, NE¼SW¼	200	
		18	E½NE¼	80	
					280
44	83	2	Lot 2, SE¼NE¼	80	
		33	SE¼	160	
		34	SW¼, E½NW¼, SW¼NW¼	280	
					520
45	81	8	E½W½, SE¼, S½NE¼	400	
		17	N½NE¼, NE¼NW¼	120	
					520
46	76	14	W½NW¼, NW¼SW¼	120	
					120
(Note: All of above withdrawals are parts of S. D. W. No. 3, Wyoming No. 1, approved October 20, 1917)					
55	77	20	E½E½	160	
					160
56	78	11	S½SE¼	80	
		12	NW¼SW¼, S½SW¼	120	
		14	NE¼, NW¼SE¼, E½SW¼, SW¼SW¼	320	
		26	E½NW¼, NE¼SW¼, NW¼SE¼, S½SE¼	240	
		35	E½	320	
					1,080
			Grand Total		13,180

Forest Problems

Problem 1. Fire Protection

Fire protection and proper utilization are the only two important problems concerning forested public domain lands in the Powder River Basin. Protection of these lands against damage by fire is of primary importance, not only on account of the intrinsic values of the timber, but for the watershed protection values as well. Tree growth is largely confined to lands in capability classes VI, VII and VIII, except for cottonwood on capability class V lands, along some of the main watercourses. The latter occurs almost exclusively on patented lands and does not constitute a problem in public land management. Capability class VIII lands include some forested lands as well as some barren lands but all require protection against fire.

In addition to forested public domain, there are adjoining privately owned forested lands whose simultaneous protection is a necessary adjunct to the adequate protection of the public lands. The approximate acreage of forested capability class VI and VII lands and all capability class VIII lands, as divided between Federal and other ownerships in the proposed management units of the Powder River Basin are shown below. 1/

Land Capability Class	Proposed Management Unit Upper Powder	Moorhead	Broadus	Powder-ville	Mizpah
VI and VII:					
Federal	25,890	4,820	30,631	1,845	12,040
Other	15,000	14,352	28,625	5,704	45,353
VIII:					
Federal	30,000	540	4,637	2,665	2,774
Other	5,000	333	4,219	2,864	5,330
Totals:					
Federal	55,890	5,360	35,268	4,510	14,814
Other	20,000	14,685	32,844	8,568	50,683
Grand Total	75,890	20,045	68,112	13,078	65,497

1/ Powder Breaks is not included in the above tabulation because there is no timbered land in this unit.

An inspection of the above table reveals that forested lands in Land Use Capability Classes VI and VII total 184,260 acres, of which 75,226 acres are Federal lands, while other lands comprise 109,034 acres. Lands in Federal ownership classified as Class VIII embraces 40,616 acres, while other classes of ownership embrace only 17,746 acres.

In the Upper Powder Unit nearly 74 percent of these forested and capability class VIII lands are federally owned. They are located on the Big Horn Mountains south of the National Forest. From the viewpoint of public land administration by the Bureau of Land Management there are two principal areas of interest. The first one occupies that part of the study unit lying south of the Muddy Guard Station along the "Horn" and westward including the extremely rough North Fork of Powder River and Pass Creek canyons. In this area ownership of lands is approximately as follows: 55 percent public domain, 8 percent State, and 37 percent private. The public domain in this area has been classified as follows: 55 percent capability class VIII, waste land; 28 percent forested range; and 17 percent other range such as mountain brush, sagebrush and grassland.

The second principal area of interest is essentially the Red Fork drainage extending southward from the Mayoworth Stock Driveway to the divide between Red Fork and Middle Fork of Powder River. In this area ownership of lands is approximately as follows: 52 percent public domain, 6 percent State, and 42 percent private. The public domain in this area has been classified as follows: 17 percent capability Class VIII or waste land; 12 percent forested range; and 71 percent other range.

Access to most of the public lands in the first of these areas from below is slow and difficult due to rough and steep topography but is fairly good from above by truck and jeep trails leading from the Hazelton County Road. Protection of some of these lands against fire by the Forest Service is a necessary adjunct to the protection of nearby National Forest lands. The Reciprocal Action Agreement between Region II of the Forest Service and Area III of the Bureau of Land Management forms the basis for local agreements which provide for prompt action by either agency on lands controlled by the other agency and reimbursement of costs incurred through such action. Existing fire control facilities of the Forest Service cover a considerable portion of the total area. No other organized control facilities exist except the county fire control organization under the direction of the sheriff. Cooperative control of small fires by ranchers and stockmen in this vicinity has been remarkably successful in the past but would be totally inadequate in the event of a large fire. Various commercial and private aircraft traversing the area are also very useful in detection and scouting work.

A special problem exists in the Isolated Tract Classification Area on the Big Horn Mountains adjoining the two areas just discussed. This is the uncontrolled burning of sagebrush practiced by the stockmen every fall. Old timers in the area claim that extensive grasslands now occupying a large part of the mountain range were formerly heave sagebrush and that these parts of the range have been converted to grassland by burning the sagebrush. Burning, as practiced by the ranchers at present, constitutes a definite and unwarranted hazard to the safety of forest and watershed values existing on the various isolated tracts in this area as well as on the larger tracts of public domain in the adjacent study unit.

Wyoming laws provide penalties for leaving fires unattended and for allowing them to spread to and damage property belonging to another person but do not require a permit for burning. Since stockmen in this area are almost unanimously in favor of burning, as it is practiced at present, it is virtually impossible to get any action under these laws unless the fires spread to public domain lands. The stockmen have used good judgment and few serious losses have occurred, but the chance for misjudgment and consequent damage remains.

In order that this problem may be alleviated it is proposed that efforts be made to secure the enactment of a state law to declare burning without a permit illegal. One of the greatest benefits of such a law would be due to the fact that the issuance of such a permit would place full responsibility for any ensuing damage to other property, Federal or private, squarely on the permittee. Details as to the issuance of permits, provisions, etc., especially as to responsibility for damage to other property and the prompt transmission of specific details of the permit (who? where? and when?) to the District Manager, will have to be worked out by the legislators prior to enactment of the law. Details of issuance (probably by the sheriff) should be such that the obtaining of permits by the stockmen will be made as easy as possible. Regulation and permit along with education would promote range improvement by controlled burning as well as preventing fire damage to timber and range.

Within the other proposed management units of the Powder River Basin the forest lands ownership, including capability class VIII lands, is shown by acreage in the preceding tabulation. Percentages of forested and class VIII lands in the other four management units are shown below:

Study Unit	Public Domain	Other	Total
	%	%	%
Moorhead	27	73	100
Broadus	52	48	100
Powderville	34	66	100
Mizpah	23	77	100
Total	36	64	100

The percentages of federally-owned forested and waste lands in these units are significant and clearly indicate the necessity for adequate protection of public watershed and forest values against damage by fire. Preparation of an adequate fire control plan is proposed under which the employment of perdiem guards and the provision of communication facilities and fire fighting equipment would be made by the respective district managers of the Bureau of Land Management.

Problem 2. Utilization of Timber

Utilization of timber on public domain lands in the Powder River Basin is a problem due to the small size and widely scattered locations of commercial stands. Applications to purchase timber may entail travel by employees of the Casper Office of the Bureau of Land Management for distances ranging from ninety to two hundred miles. Proper administration of timber sales at such distances is difficult and expensive but is necessary for the proper administration of a valuable public resource. Increasingly difficult access to the remaining commercial stands and improved methods of utilization have resulted in the use of both stands and individual trees formerly considered non-merchantable, due to difficulty of access, limited extent of the stand, small size of the trees or high cull factor. The use of portable, power driven chain saws, caterpillar tractors, bulldozers and trucks has made trucking for distances up to 75 miles to the mill feasible. At the mill, use of the gang saw has speeded up the handling of small logs tremendously and logs with a top diameter of six inches can now be utilized economically. The market for box material at the Black

Hills Ordinance Depot at Provo, South Dakota has aided in the utilization of practically every bit of sound timber brought to the mill.

The only mill of any size in the basin is the Schrumm Mill located at Buffalo, Wyoming. This mill is owned by the Buckingham Forest Products Company of Rapid City, South Dakota which also owns and operates other mills in the Black Hills area of Wyoming and South Dakota. The mill has a capacity of about 25 M.B.F. per 8-hr. day and uses between 4,000 and 5,000 M.B.F. per year. There is also a small mill at Gillette, Wyoming which operates part time on a demand basis, and a number of small portable type mills operated by various ranchers primarily to supply their own needs although limited supplemental cash income is also realized. One such mill, operated by only one man is located about 15 miles south of Broadus, Montana. The owner was receiving $70.00 per M.B.F. for rough lumber at the mill in 1952.

Most logs for the mill at Buffalo are trucked from the National Forest but at present they are also being trucked from a Bureau of Land Management sale on public domain lands, on the Big Horn Basin side of the mountains. Most logs which are used by small mills in other parts of the basin are cut from privately owned lands, but cutting on adjoining public domain lands is possible and desirable. Trespass or unauthorized cutting of timber, in such situations, is extremely difficult to detect and the fact that it is not common is due only to the innate honesty and independence of the ranch population of the basin.

In order that the timber resources of the basin may be properly utilized, it is proposed that trained foresters be employed in both the Casper, Wyoming and Miles City, Montana offices of the Bureau of Land Management. These men should make a complete and detailed inventory of timber on public domain lands in their respective areas, in order that utilization may be promoted through public knowledge, of the location and availability of this resource. Future use of lodge-pole and other stands for pulp and other uses is probable.

Cadastral Surveys

Many of the original cadastral surveys were made in the Powder River Basin as early as 1873, and a great many corners have been obliterated or destroyed, since they were monumented with native stone. In the areas of most intensive land use, such as crop lands, and urban or mineral developments, resurveys have often been necessary to establish definite ownership lines. In other areas, operating unit boundary fences often do not follow actual ownership lines but conform to natural topographic features, by mutual consent of the operators concerned. In such areas, the cost of resurveys can be justified only by the need for definite establishment of ownership lines due to development of mineral resources, or extensive surface developments requiring an equitable distribution of costs. In the latter case, aerial photographs used in making the detailed studies have been sectionized with sufficient accuracy to serve this purpose in most cases.

Selection of areas to be resurveyed is generally dependent upon at least 50 percent Federal ownership of land, or reserved mineral rights, and the condition of the original survey corners. In order to expedite the making of resurveys, interested oil companies sometimes pay part or all of the costs. The condition of original survey corners and monuments on lands which have not been resurveyed in the Powder River Basin is very poor, and resurveys are proposed for all such lands that meet the required 50 percent of Federal interest. Determination of the order in which such lands are to be resurveyed will be based upon consideration of the foregoing factors, by the Division of Cadastral Engineering, and on requests made by the various state offices of the Bureau of Land Management, or by other Federal Agencies.

BENEFITS AND COSTS OF THE PROPOSED MANAGEMENT AND DEVELOPMENT PROGRAM

The improvement program proposed in this report is based on field examinations during four field seasons. Shortage of proposed developments as shown on the map, in some parts of the basin, does not necessarily indicate lack of need for such improvements. Planning will be completed by smaller drainage units in much greater detail, by the respective district managers, prior to the initiation of the actual construction program by Range and Forest Management of the Bureau of Land Management.

The estimated costs of improvements proposed in the management units, of the Powder River Basin, and the estimated benefits expected from these developments are summarized in Table 8. They are segregated between the two principal classes of land ownership; (1) Federal, (2) private and state. In this table construction costs and benefits are estimated on the basis of 1952 prices. Initial costs are reduced to annual costs by amortization during the estimated life of the project. The costs of permanent or relatively permanent developments such as springs, rodent control, waterspreading, brush removal, contour furrows and tree planting are amortized over a 40 year period. Interest is charged at the rate of 2½ percent a year, on the cost of improvements on Federal lands, and 4 percent a year on the cost of those on other lands. Annual maintenance costs are charged at seven percent of the construction cost for reservoirs and springs, and five percent for waterspreading, contour furrows, detention dams and permanent check dams.

On-site benefits are calculated on the basis of estimated increased forage production, at $2.00 per animal unit month, for those improvements which can reasonable be expected to increase either the total actual production of forage, as with reseeding, brush removal, waterspreading and contour furrows, or its availability to livestock as with rodent control and poison plant eradication. Benefits from stock water developments are difficult to calculate, since few developments in this Basin will actually increase the amount of forage available for livestock. They do increase the ease with which forage can be reached, and thereby the efficiency of its utilization by grazing animals. Since the amount of necessary travel between forage and water, in any unit, is directly proportional to the size of the areas serviced by existing water facilities, such travel will be reduced in proportion to reductions in the size of these service areas. Travel between forage and water wastes forage which would otherwise be converted to weight gain, and its reduction to a minimum is therefore desirable.

Stockmen are agreed that a given number of cattle will put on more weight during a given period of time, if a range is adequately supplied with water facilities, than they will if such facilities are poorly located and excessive travel between forage and water is necessitated. Their estimates of the added gain range from ¼ to 3/4 pounds per head per day. Assuming an average gain of one-half pound per head per day resulting from the provision of a new watering place in the Powder River Basin, the facility can be credited with an added production of 1,600 pounds of beef per section yearly, of the average 6 acre public domain range, or 1,920 pounds per section of the average 5 acre state and privately owned range. At $16.50 per hundred-weight 1/ these gains would be worth $264.00 per section for the Federal lands and $316.80 per section for the state and private lands. On this basis alone, provision of a stock water facility can be economically justified at an annual cost of $2.50 per animal unit month of forage in the service area or a total annual cost of $264.00 per section of Federal land or $316.80 per section of State or privately owned land in the Powder River Basin. The average annual costs of a reservoir proposed on Federal lands is just under $115.00 and just over $119.00 on the state and private lands.

Benefits from other proposed developments in the Powder River Basin are even more difficult to calculate than for the stock water developments. Values were assigned to sediment storage by using the estimated cost per acre foot of storage in the proposed Moorhead Dam. As stated previously the estimated cost of this dam is $27,470,000.00. The storage capacity is estimated at 1,150,000 acre feet and the cost per acre foot is $23.89. Since these estimates are subject to revision the value of $25.00 per acre foot is assigned to sediment storage capacities of waterspreading, contour furrows, check dams, detention dams and stock water reservoirs. The annual value credited to each project for sediment storage is determined by dividing the total storage capacity by the number of years of the project life.

As shown in Table 9, the total annual costs of proposed improvements on Federal lands, is estimated at $149,368.00. The annual benefits to be derived from these improvements on Federal lands, are estimated at $229,733.50. Corresponding figures for state and patented lands are estimated at $284,253.00 and $411,984.50 respectively. The combined total annual costs and benefits for all lands are $433,621.00 and $641,718.00 respectively. Costs in all cases include planting of trees and shrubs in gullies, fencing of projects and construction of temporary and permanent check dams, all of which have considerable off-site benefits which have not been assigned a monetary value.

1/ Page 87, Land Planning & Classification Report of the Public Lands in the Upper Missouri River Basin published by the Bureau of Land Management, Region III, Billings, Montana, June 1954.

Table 9. - Benefits and Costs by Types of Conservation Improvements and by Classes of Landownership in the Powder River Basin, Montana and Wyoming, 1955. 1/

				COSTS								BENEFITS					
							ANNUAL COSTS						ANNUAL BENEFITS				
							Amortization		Interest					Increased Forege Productions			
Type of Improvement	Unit	Number	Estimated Life Years	Construction Dollars	Meintenance Pct.	Meintenance Dollars	Rate Pct.	Amount Dollars	Rate Pct.	Amount Dollars	Total Annual Cost	Total Storage Cepacity Acre Ft.	Sediment Storage Dollars	Volume AUMS. 2/	Value Dollars	Total Dollars	Benefits Cost Ratio
A - On Federal Lands:																	
Stockwater Reservoirs	Each	651	15	462,000	7	32,340	6 2/3	30,800	2½	11,550	74,690	2,604	4,350	85,932	171,864	176.214	2.35:1
Spring Developmente	Each	4	40	3,000	7	210	2½	75	2½	75	360			528	1,056	1,056	2.93:1
Rodent Control	Acres	405	40	203			2½	5	2½	5	10			30	60	60	6.00:1
Waterspreading	Acres	8,630	40	94,930	5	4,747	2½	2,373	2½	2,373	9,493	4,315	2,697	3,334	6,668	9,365	.99:1
Range Revegetation	Acres	50	40	500			2½	12	2½	12	24			6	12	12	.50:1
Eradication Poisonous Plants	Acres	2,320	40	1,740			2½	44	2½	44	88			464	928	928	10.55:1
Sagebrush Removal	Acres	13,570	40	86,850			2½	2,171	2½	2,171	4,342			2,262	4,524	4,524	1.04:1
Contour Furrows	Acres	36,780	40	220,680	5	11,034	2½	5,517	2½	5,517	22,068	12,260	7,663	8,080	16,160	23,823	1.08:1
Gully Planting (trees & shrubs)	Miles	120	40	60,000			2½	1,500	2½	1,500	3,000						
Large Detention Dams	Each	26	30	260,000	5	13,000	3 1/3	8,667	2½	6,500	28,167	14,820	12,350			12,350	.44:1
Permanent Check Dams	Each	3	40	1,200	5	60	2½	30	2½	30	120	3	2			2	.02:1
Temporary Check Dams	Each	1,121	10	56,050			10	5,605	2½	1,401	7,006	560	1,400			1,400	.20:1
Sub-Total				1,247,153		61,391		56,799		31,178	149,368	34,562	28,462	100,636	201,272	229,734	1.54:1
B - Private and State Lands:																	
Stockwater Reservoirs	Eech	1,007	15	679,500	7	47,565	6 2/3	45,300	4	27,180	120,045	4,028	6,713	159,509	319,018	325,731	2.71:1
Spring Developments	Each	17	40	12,750	7	893	2½	319	4	510	1,722			2,693	5,386	5,386	3.13:1
Rodent Control	Acres	1,930	40	966			2½	24	4	39	63			190	380	380	6.03:1
Waterspreading	Acres	27,161	40	298,776	5	14,939	2½	7,474	4	11,951	34,364	13,581	8,488	9,466	18,932	27,420	.80:1
Range Revegetation	Acres	995	40	9,950			2½	249	4	398	647			151	302	302	.47:1
Eradication Poisonous Plants	Acres	895	40	670			2½	17	4	27	44			179	358	358	8.14:1
Sagebrush Removal	Acres	16,070	40	102,850			2½	2,571	4	4,114	6,685			2,923	5,846	5,846	.87:1
Contour Furrows	Acres	56,369	40	338,210	5	16,910	2½	8,455	4	13,528	38,893	18,790	11,744	10,239	20,478	32,222	.83:1
Gully Planting (trees & shrubs)	Miles	150	40	75,000			2½	1,875	4	3,000	4,875						
Large Detention Dams	Each	54	30	540,000	5	27,000	3 1/3	18,000	4	21,600	66,600	15,390	12,825			12,825	.19:1
Permanent Check Dams	Each	43	40	17,200	5	860	2½	430	4	688	1,978	43	27			27	.01:1
Temporary Check Dams	Each	1,191	10	59,550			10	5,955	4	2,382	8,337	595	1,488			1,488	.18:1
Sub-Total				2,135,422		108,167		90,669		85,417	284,253	52,427	41,285	185,350	370,700	411,985	1.45:1
GRAND TOTAL				3,382,575		169,558		147,468		116,595	433,621	86,989	69,747	285,986	571,972	641,719	

1/ Determined by field investigation, Bureau of Land Management, 1949 - 53. Locetion of the proposed improvements is shown on the Proposed Land Use and Improvements Map in the Map Appendix of this report.
2/ AUM - equels - animal unit month, the amount of range forage necessary to properly feed one cow for one month.

The overall benefit cost ratio for the entire program is approximately one and one-half to one. Some of the projects show very low benefit cost ratios, but all proposals are integral parts of the overall conservation improvement program needed in the Powder River Basin.

Table 6 .- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/

MONTANA

Montana Principal Meridian

Twp. North	Range East	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Carter County										
1	56	9	NE¼NW¼	40.00	Rolling to steep	9	Grazing	20/VI:20/VII	Grazing	Private
		27	N½NW¼	80.00	Rolling	10	Grazing	VI	Grazing	Private
		35	NE¼NE¼	40.00	Rolling	10	Grazing	VI	Grazing	Private
	57	30	SW¼NW¼, NW¼SW¼	80.00	Rough to steep	17	Grazing	VII	Grazing	Private
		31	S½NE¼	80.00	Rough to steep	17	Grazing	VII	Grazing	Private
		32	SW¼NW¼, NW¼SW¼	80.00	Rough to steep	18	Grazing	VII	Grazing	Private
South	East									
1	57	3	Lot 4, W½SW¼	100.77	Rough to steep	20	Grazing, Timber	VII	Grazing	Private
		3	SE¼SW¼	40.00	Rolling to steep	9	Grazing, Timber	20/VI:20/VII	Grazing	Private
		5	Lots 3,4, SE¼SW¼	81.85	Rolling	24	Grazing	VI	Grazing	Private
		18	SW¼NE¼	40.00	Rolling	13	Grazing	VI	Grazing	Private
		20	SE¼NE¼	40.00	Rolling	13	Grazing	VI	Grazing	Private
2	55	12	NE¼NW¼	40.00	Rolling	13	Grazing	VI	Grazing	Private
	56	3	Lots 1, 2, 3, 4	89.40	Rolling	13	Grazing	VI	Grazing	Private
		4	Lots 6, 7, 10, 11, NW¼SE¼	200.00	Rolling to rough	26	Grazing, Timber	VII	Grazing	Private
		9	SW¼SE¼, SE¼SW¼	80.00	Rolling to rough	16	Grazing, Timber	VII	Grazing	Private
		17	W½NW¼	80.00	Rolling	27	Grazing	VI	Grazing	Private
		18	Lot 1, NE¼NW¼	74.93	Rolling	27	Grazing	VI	Grazing	Private
		31	Lot 4, S½SE¼, SE¼SW¼	155.66	Rolling	50	Grazing	VI	Grazing	Private
		32	SE¼NW¼	40.00	Rolling	13	Grazing	VI	Grazing	Private
3	55	1	E½SE¼	80.00	Rolling	26	Grazing	VI	Grazing	Private
	56	4	SW¼NE¼	40.00	Rolling to steep	10	Grazing, Timber	VII	Grazing	Private
		5	N½SE¼, SW¼SE¼	120.00	Rolling	39	Grazing	VI	Grazing	Private

-Continued

Table 6 .- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

MONTANA

Montana Principal Meridian Twp. South	Range East	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Carter County										
3	56	8	NW¼NE¼	40.00	Rolling	13	Grazing	VI	Grazing	Private
		10	SW¼SE¼	40.00	Rolling to steep	12	Grazing	20/VI:20/VII	Grazing	Private
		10	SE¼SE¼	40.00	Rolling to steep	12	Grazing	20/VI:20/VII	Grazing	Private
		11	E½SE¼, SW¼SE¼, SE¼SW¼	160.00	Rolling to steep	20	Grazing	VII	Grazing	Private
		~~12~~	~~All~~ Lit. mo.	640.00	Rolling to steep	80	Grazing	VII	Grazing	Private
4	55	14	All	640.00	Rolling	195	Grazing	VI	Grazing	Private
		15	NE¼SE¼	40.00	Rolling	11	Grazing	VI	Grazing	Private
		20	NE¼SW¼	40.00	Rolling to steep	13	Grazing	VI	Grazing	Private
		21	NE¼	160.00	Rolling to rough	44	Grazing	VI	Grazing	Private
	56	18	NE¼NE¼	40.00	Rolling to steep	11	Grazing	VI	Grazing	Private
5	55	5	W½SE¼	80.00	Rolling to rough	26	Grazing	VI	Grazing	Private
		6	Lots 3, 4	83.79	Level to rolling	16	Grazing	VI	Grazing	Private
		7	NW¼SE¼	40.00	Gently rolling	10	Grazing	VI	Grazing	Private
6	55	7	SW¼NE¼	40.00	Rolling	14	Grazing	VI	Grazing	Private
		11	NW¼NE¼	40.00	Rolling	18	Grazing, Timber	VI	Grazing	Private
		13	SE¼NE¼	40.00	Rolling to broken	17	Grazing	30/VI:10/VII	Grazing	Private
		30	SE¼NE¼, SE¼NW¼	80.00	Rolling	22	Grazing	VI	Multiple	Federal
		31	Lot 1	32.97	Rolling	14	Grazing	VI	Multiple	Federal
7	55	8	E½SW¼	80.00	Rolling	20	Grazing	VII	Grazing	Private
		28	SW¼NE¼, NW¼SE¼, S½SE¼	160.00	Rolling	40	Grazing	VI	Grazing	Private
8	55	4	SE¼NE¼	40.00	Rough	6	Grazing	VII	Grazing	Private
		5	NE¼SE¼	40.00	Rough	9	Grazing, Timber	VII	Grazing	Private
		6	Lots 1,2	80.29	Rolling to rough	16	Grazing, Timber	VII	Grazing	Private
		30	NE¼SE¼	40.00	Flat to rolling	14	Grazing	VI	Grazing	Private
9	55	6	NE¼SE¼	40.00	Flat to rolling	14	Grazing	VI	Grazing	Private

-Continued

Table 6.- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

MONTANA

Montana Principal Meridian Twp. North	Range East	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Custer County										
1	49	14	W½SW¼, SE¼SW¼, S½SE¼	200.00	Rolling to rough	57	Grazing	15/VI:185/VII	Grazing	Private
		14	N½NE¼, NE¼NW¼	120.00	Rough	20	Grazing	VII	Grazing	Private
	50	2	Lots 1,2,3,4, S½NE¼, S½, S½NW¼	635.52	Broken to rough	106	Grazing	VII	Grazing	Private
		10	All	640.00	Broken to rough	107	Grazing	VII	Grazing	Private
		12	W½NW¼, W½SW¼	160.00	Broken	26	Grazing	VII	Grazing	Private
		18	NW¼NE¼	40.00	Rolling	11	Grazing	VI	Grazing	Private
	51	22	Lots 1,2,3,4,5,6,7,8	301.89	Rough	50	Grazing	VII	Grazing	Private
		26	SW¼NW¼	40.00	Rough	7	Grazing	VII	Grazing	Private
	52	6	Lots 5,6,7, E½SW¼, SE¼	412.17	Rolling to broken	91	Grazing	VII	Grazing	Private
		8	SE¼SE¼	40.00	Rolling	8	Grazing	VII	Grazing	Private
		28	S½	320.00	Rolling	91	Grazing	VI	Grazing	Private
		34	W½NW¼, NE¼NW¼, NE¼, SW¼SW¼	320.00	Rolling	91	Grazing	VII	Grazing	Private
	53	10	SW¼SW¼	40.00	Rolling to rough	10	Grazing	30/VI:10/VII	Grazing	Private
		10	SE¼SW¼	40.00	Rolling to rough	10	Grazing	30/VI:10/VII	Grazing	Private
		10	SW¼SE¼	40.00	Rolling to rough	11	Grazing	20/VI:20/VII	Grazing	Private
		10	SE¼SE¼	40.00	Rolling to rough	11	Grazing	20/VI:20/VII	Grazing	Private
		10	N½SW¼, N½SE¼	160.00	Rolling	45	Grazing	VI	Grazing	Private
	54	2	E½NW¼	80.00	Rolling	27	Grazing	VI	Grazing	Private
		3	SW¼NE¼	40.00	Level	26	Grazing	V	Cultivation	Private
		4	Lot 2	32.07	Level	16	Grazing	V	Cultivation	Private
		4	NE¼NW¼	40.00	Rolling	27	Grazing	VI	Grazing	Private
		10	Lot 1	11.63	Level	4	Grazing	V	Cultivation	Private
		10	SE¼, SE¼NE¼, SE¼SW¼	240.00	Rolling	80	Grazing	VI	Grazing	Private
		20	Lot 4, NE¼NW¼	42.00	Level	8	Grazing	V	Cultivation	Private
		30	Lots 2 and 11	42.79	Level	17	Grazing	V	Cultivation	Private
2	50	2	Lots 1,2,3,4, SW¼, SE¼, S½NW¼, S½NE¼	611.56	Rolling to rough	174	Grazing	VI	Grazing	Private

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Table 6.- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

MONTANA

Montana Principal Meridian Twp. North	Range East	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Custer County										
2	50	10	NE¼NE¼, SW¼SW¼, SE¼SW¼, NW¼SW¼	160.00	Rolling	45	Grazing	VI	Grazing	Private
		10	SE¼NE¼	40.00	Rolling to rough	9	Grazing	20/VI:20/VII	Grazing	Private
		10	NW¼NW¼	40.00	Rolling to rough	9	Grazing	20/VI:20/VII	Grazing	Private
		10	SW¼NW¼	40.00	Rolling to rough	9	Grazing	20/VI:20/VII	Grazing	Private
		10	NE¼SW¼	40.00	Rolling to rough	9	Grazing	20/VI:20/VII	Grazing	Private
		10	SW¼SE¼	40.00	Rolling to rough	9	Grazing	20/VI:20/VII	Grazing	Private
		10	NW¼NE¼, NE¼NW¼, SW¼NE¼, SE¼NW¼, N½SE¼, SE¼SE¼	280.00	Rough	62	Grazing	VII	Grazing	Private
		14	All	640.00	Rolling	182	Grazing	VI	Grazing	Private
		26	All	640.00	Rolling	182	Grazing	VI	Grazing	Private
		30	Lots 1,2,3,4,E½NW¼, E½SW¼, W½NE¼	311.39	Rough	52	Grazing	VII	Grazing	Private
	51	4	Lot 1, SE¼NE¼	80.14	Rolling	27	Grazing	VI	Grazing	Private
		4	Lot 4	40.02	Level to rolling	13	Grazing	20/VI:20.02/VII	Grazing, Cultivation	Private
		12	All	640.00	Rough to steep	142	Grazing	VII	Grazing	Private
		14	All	640.00	Rolling	142	Grazing	VII	Grazing	Private
		18	Lots 3,4, E½SW¼, SE¼	314.07	Rolling	89	Grazing	VI	Grazing	Private
		20	W½NW¼, W½SW¼, SE¼SW¼	200.00	Rolling	44	Grazing	VI	Grazing	Private
		22	All	640.00	Broken, rolling	142	Grazing	VII	Grazing	Private
		24	All	640.00	Broken, rolling	142	Grazing	VII	Grazing	Private
		30	Lots 1,2,3,4, E½NW¼, E½SW¼, E½	629.32	Broken, rolling	157	Grazing	VII	Grazing	Private
	52	10	NW¼NE¼	40.00	Rolling	13	Grazing	VI	Grazing	Private
		18	Lot 1, NE¼NW¼, N½NE¼	157.03	Broken,rough	31	Grazing	VII	Multiple	Federal
		18	SE¼NE¼	40.00	Broken, rough	7	Grazing	35/VII:5/VIII	Multiple	Federal
		18	NE¼SE¼	40.00	Broken, rough	5	Grazing	25/VII:15/VIII	Multiple	Federal
		19	SW¼SW¼	37.23	Broken, rough	3	Grazing	19/VII:18.23/VIII	Multiple	Federal

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Table 6 .- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

MONTANA

Montana Principal Meridian Twp. North	Range East	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Custer County										
2	52	18	Lots 2,3, SE¼NW¼, SW¼NE¼, SE¼SW¼, NE¼SW¼, NW¼SE¼, S½SE¼	354.26	Broken, rough		Grazing	VIII	Wildlife	Federal
	53	6	Lots 1,2,3,4, E½NW¼, E½SW¼, E½	576.28	Rough	93	Grazing	VII	Grazing	Private
		8	SW¼SW¼	40.00	Rolling	11	Grazing	VI	Grazing	Private
		8	NW¼SW¼	40.00	Rolling to rough	9	Grazing	20/VI:20/VII	Grazing	Private
		8	W½NW¼	80.00	Rough	13	Grazing	VII	Grazing	Private
		18	NE¼NE¼	40.00	Rolling to rough	9	Grazing	20/VI:20/VII	Grazing	Private
		18	NW¼NE¼, S½NE¼, SE¼	280.00	Rolling	47	Grazing	VII	Grazing	Private
	54	2	Lot 1	40.37	Rolling to rough	6	Grazing	10.37/VI:30/VII	Grazing	Private
		10	Lot 2	8.50	Level	3	Grazing	V	Cultivation	Private
		12	SW¼SW¼	40.00	Rolling to steep	8	Grazing	30/VI:10/VIII	Multiple	Federal
		12	NW¼SW¼	40.00	Rolling to steep	2	Grazing	10/VI:30/VIII	Multiple	Federal
		12	SE¼SW¼	40.00	Rolling to steep	2	Grazing	10/VI:30/VIII	Multiple	Federal
		12	NE¼SW¼, SE¼	200.00	Steep		Grazing	VIII	Wildlife	Federal
		22	Lots 1,2,3,4, and 7	74.01	Level	29	Grazing	V	Cultivation	Private
		23	NE¼NW¼	40.00	Rolling	11	Grazing	VI	Grazing	Private
		24	All	640.00	Rolling	182	Grazing	VI	Grazing	Private
		26	SW¼	160.00	Rolling	60	Grazing	VI	Grazing	Private
		34	Lot 2	27.43	Level	10	Grazing	V	Cultivation	Private
3	53	2	SE¼, SE¼SW¼	200.00	Rolling	67	Grazing	VI	Grazing	Private
		4	Lot 1, SE¼	209.21	Rolling	69	Grazing	VI	Grazing	Private
		12	NW¼	160.00	Rolling	53	Grazing	VI	Grazing	Private
		22	E½SE¼	80.00	Rough	16	Grazing	VII	Grazing	Private
		24	All	640.00	Rough	128	Grazing	VII	Grazing	Private
		28	W½NW¼, SW¼, S½SE¼	320.00	Rolling	107	Grazing	VI	Grazing	Private
	54	4	Lots 1,2,3,4, S½NE¼, S½NW¼, S½	631.84	Rough	106	Grazing	VII	Grazing	Private

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Table 6.- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

MONTANA

Montana Principal Meridian Twp. North	Range East	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Custer County										
3	54	10	SE¼SE¼	40.00	Rolling, rough	11	Grazing	20/VI:20/VII	Grazing	Private
		10	SE¼NE¼	40.00	Rolling, rough	11	Grazing	20/VI:20/VII	Grazing	Private
		10	SW¼NE¼	40.00	Rolling, rough	9	Grazing	5/VI:35/VII	Grazing	Private
		10	NE¼SE¼	40.00	Rolling	13	Grazing	VI	Grazing	Private
		10	N½NE¼, NW¼, SW¼, W½SE¼	480.00	Rough	96	Grazing	VII	Grazing	Private
		12	W½NW¼, SE¼NW¼	120.00	Rolling	40	Grazing	VI	Grazing	Private
		12	NE¼NW¼	40.00	Rolling to rough	8	Grazing	15/VI:25/VII	Grazing	Private
		12	SW¼NE¼	40.00	Rolling to rough	6	Grazing	5/VI:35/VII	Grazing	Private
		12	N½NE¼, SE¼NE¼	120.00	Rough	24	Grazing	VII	Grazing	Private
		14	SE¼SE¼	40.00	Rolling	13	Grazing	VI	Grazing	Private
		18	Lots 1,2	10.65	Level	2	Grazing	V	Cultivation	Private
		20	NE¼NE¼	40.00	Rolling	13	Grazing	VI	Grazing	Private
		28	Lot 3	14.45	Level	2	Grazing	V	Cultivation	Private
		34	Lot 3	31.46	Level	2	Grazing	V	Cultivation	Private
4	53	8	Lot 2	11.00	Level	5	Grazing	V	Cultivation	Private
		10	N½NE¼, SE¼NE¼, NE¼NW¼	160.00	Rough	32	Grazing	VII	Grazing	Private
		20	N½NW¼	80.00	Rough	16	Grazing	VII	Grazing	Private
		20	NW¼SW¼	40.00	Rolling to rough	11	Grazing	20/VI:20/VII	Grazing	Private
		20	SE¼NW¼	40.00	Rolling to rough	12	Grazing	30/VI:10/VII	Grazing	Private
		20	NE¼SW¼	40.00	Rolling to rough	11	Grazing	25/VI:15/VII	Grazing	Private
		20	S½SW¼, SW¼NW¼	120.00	Rolling	40	Grazing	VII	Grazing	Private
		22	Lot 3	26.72	Level	13	Grazing	V	Cultivation	Private
	54	4	SE¼NE¼	40.00	Rolling	13	Grazing	VI	Grazing	Private
		6	Lots 5,6, SE¼	271.31	Rough	54	Grazing	VII	Grazing	Private
		18	Lots 1,2,3,4, NE¼, SE¼	541.24	Rough	108	Grazing	VII	Grazing	Private
		30	Lot 1	53.34	Rolling, rough	17	Grazing	VI	Grazing	Private
		32	SW¼NW¼	40.00	Rolling, rough	13	Grazing	VI	Grazing	Private
		32	N½NW¼, SE¼NW¼, NE¼	280.00	Rough	56	Grazing	VII	Grazing	Private

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Table 6 .- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

MONTANA

Montana Principal Meridian Twp. South	Range East	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Powder River County										
1	50	2	Lot 1	24.42	Rough	6	Grazing	VII	Grazing	Private
		2	Lots 2, 3, 4	72.98	Rolling	21	Grazing	VI	Grazing	Private
		4	Lot 1	24.84	Level		Cultivation	V	Cultivation	Private
		4	Lots 2, 3, 4	73.72	Rolling	21	Grazing	VI	Grazing	Private
	51	2	Lots 1, 8,9	106.00	Rolling	30	Grazing	VI	Grazing	Private
		5	Lot 1	26.48	Rolling to steep	7	Grazing	VII	Grazing	Private
		10	SE¼SE¼	40.00	Level	16	Grazing	V	Cultivation	Private
	52	2	Lots 1. 2. 3, 4	75.76	Rolling	22	Grazing	VI	Grazing	Private
		6	Lots 1,2,3,4,7,8,9,10, N½SE¼, SE¼SE¼	380.88	Rolling	109	Grazing	VI	Grazing	Private
		6	SW¼SW¼	40.00	Rolling	11	Grazing	VI	Grazing	Private
		24	NW¼NW¼, NW¼SW¼	80.00	Rolling to steep	20	Grazing	VII	Grazing	Private
		26	All	640.00	Rolling to steep	160	Grazing	VII	Grazing	Private
		34	NW¼SE¼	40.00	Rolling to steep	11	Grazing	VII	Grazing	Private
		34	S½SE¼	80.00	Rolling to steep	16	Grazing	VII	Grazing	Private
		34	NE¼, NE¼SE¼	200.00	Rolling to steep	50	Grazing	VII	Grazing	Private
	53	4	Lots 1.2.3.4. S½NW¼, S½NE¼, SW¼,SE¼	634.10	Rough	159	Grazing	VII	Grazing	Private
		8	SE¼, S½NE¼, SE¼NW¼, E½SW¼	360.00	Rough	45	Grazing	VII	Grazing	Private
		10	Lots 4, 5	78.41	Rough	20	Grazing	VII	Grazing	Private
		10	Lots 1,2,3, SE¼NW¼, S½NE¼	232.62	Rolling	67	Grazing	VI	Grazing	Private
		18	Lots 1,2,3,4,5,6,7,8,9, 10, SE¼NW¼, SW¼NE¼, E½SW¼, W½SE¼	668.16	Rolling to rough	83	Grazing	VII	Grazing	Private
		22	All	640.00	Rolling	182	Grazing	VI	Grazing	Private
		24	Lots 5, 6	40.10	Level	13	Grazing	V	Cultivation	Private
		24	Lot 7	3.00	Rolling	1	Grazing	VII	Grazing	Private
		24	Lot 7	12.80	Level	4	Grazing	V	Cultivation	Private

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Table 6.- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

MONTANA

Montana Principal Meridian Twp. South	Range East	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Powder River County										
1	53	26	Lots 3, 4	54.88	Rough to level	9	Grazing	VII	Grazing	Private
		28	N½NE¼, SE¼NE¼, NE¼NW¼	160.00	Rolling	46	Grazing	VI	Grazing	Private
		34	Lot 11	2.70	Rolling	1	Grazing	VI	Grazing	Private
	54	4	SE¼NE¼	40.00	Level to rolling	8	Grazing	20/V:20/VI	Grazing, Cultivation	Private
		4	E½SE¼	80.00	Rough to rolling	12	Grazing	VII	Grazing	Private
		18	Lot 11	7.21	Level	2	Grazing	V	Cultivation	Private
		30	Lot 2	34.59	Level	12	Grazing	V	Cultivation	Private
		30	Lot 3	34.51	Level to rolling	10	Grazing	17.51/V:17/VI	Grazing, Cultivation	Private
		30	Lot 4	34.44	Level to rolling	10	Grazing	24/V:10.44/VI	Grazing, Cultivation	Private
		30	SE¼NW¼	40.00	Level to rolling	10	Grazing	10/V:30/VI	Grazing, Cultivation	Private
		30	E½SW¼	80.00	Rolling	20	Grazing	VI	Grazing	Private
2	50	26	SW¼, SW¼NW¼	200.00	Rolling to rough	50	Grazing	VII	Grazing	Private
	51	2	Lots 1,2, W½SW¼	79.85	Rolling	16	Grazing	VI	Grazing	Private
		10	N½NE¼, NE¼NW¼	120.00	Rough with rock outcrops	24	Grazing	VII	Grazing	Private
		30	Lot 1	33.63	Rough	7	Grazing	VII	Grazing	Private
		32	SE¼SE¼	40.00	Rolling	9	Grazing	VI	Grazing	Private
	52	2	Lots 1,2,3,4, S½NW¼, S½NE¼	320.24	Rolling	53	Grazing	VII	Grazing	Private
		2	SW¼SW¼	40.00	Rolling to steep	10	Grazing	VII	Grazing	Private
		10	NE¼NW¼	40.00	Rolling to steep	12	Grazing	30/VI:10/VII	Grazing	Private
		10	E½, E½SW¼, SE¼NW¼	440.00	Rolling to steep	110	Grazing	VII	Grazing	Private
		22	N½N½	160.00	Rolling	45	Grazing	VI	Grazing	Private
	53	4	Lot 11	37.04	Rolling	12	Grazing	VI	Grazing	Private
		4	Lot 9	29.78	Rolling	10	Grazing	VI	Grazing	Private

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Table 6 .- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

MONTANA

Montana Principal Meridian Twp. South	Range East	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Powder River County										
2	53	4	Lot 8	48.08	Level to rolling	10	Grazing	8.08/V:40/VII	Grazing, Cultivation	Private
		4	Lot 7	33.40	Level to rolling	10	Grazing	15/V:18.40/VII	Grazing, Cultivation	Private
		4	E½SE¼, SW¼SE¼, SE¼SW¼	160.00	Rough to rolling	40	Grazing	VII	Grazing	Private
		6	Lot 8	31.56	Level	5	Grazing	V	Cultivation	Private
3	49	14	NW¼NW¼, SE¼NE¼, S½SW¼	160.00	Rolling	53	Grazing	VI	Grazing	Private
		22	W½	320.00	Rolling	107	Grazing	VI	Grazing	Private
		28	S½SE¼	80.00	Rolling	27	Grazing	VI	Grazing	Private
		28	N½NW¼, NE¼	240.00	Rolling	80	Grazing	VI	Grazing	Private
	50	13	NE¼, N½SE¼	240.00	Rolling	53	Grazing	VI	Grazing	Private
		18	Lots 3, 4	70.18	Rolling to rough	23	Grazing	VI	Grazing	Private
		26	SW¼SE¼	40.00	Rolling to rough	10	Grazing	15/VI:25/VII	Grazing	Private
		32	NE¼SE¼	40.00	Rolling	13	Grazing	VI	Grazing	Private
	51	13	SE¼	160.00	Rough to rolling	32	Grazing	VI	Grazing	Private
		18	Lots 1, 2	68.37	Rolling	15	Grazing	VI	Grazing	Private
		20	S½SE¼	80.00	Rough to rolling	11	Grazing	VI	Grazing	Private
		20	NW¼SE¼	40.00	Rough to rolling	9	Grazing	20/VI:20/VII	Grazing	Private
		20	NE¼SE¼	40.00	Rough to rolling	9	Grazing	10/VI:30/VII	Grazing	Private
		20	S½NE¼	80.00	Rough	11	Grazing	VII	Grazing	Private
		20	NW¼NE¼	40.00	Rolling to rough	9	Grazing	30/VI:10/VII	Grazing	Private
		20	NE¼NE¼	40.00	Rolling to rough	9	Grazing	15/VI:25/VII	Grazing	Private
		22	SE¼SW¼	40.00	Rolling to level	9	Grazing	VI	Grazing	Private
		23	N½NE¼	80.00	Rolling	16	Grazing	VI	Grazing	Private
		24	NW¼NW¼	40.00	Rolling	8	Grazing	VI	Grazing	Private
		24	SW¼NW¼	40.00	Rough	8	Grazing	VII	Grazing	Private
		28	NW¼, W½NE¼, SE¼NE¼	280.00	Rough	40	Grazing	VII	Grazing	Private
		28	SW¼SE¼	40.00	Rolling	11	Grazing	VI	Grazing	Private

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Table 6 .- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

MONTANA

Montana Principal Meridian Twp. South	Montana Principal Meridian Range East	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Powder River County										
3	51	29	E½NE¼	80.00	Rough	16	Grazing	VII	Grazing	Private
		32	NE¼NE¼	40.00	Rolling	11	Grazing	VI	Grazing	Private
		32	NE¼SE¼	40.00	Level		Cultivation	V	Cultivation	Private
		33	N½NW¼	80.00	Rolling	22	Grazing	VI	Grazing	Private
		34	Lot 8	40.00	Rough	10	Grazing	VII	Grazing	Private
	52	4	SE¼NW¼, SW¼NE¼, NE¼SW¼, NW¼SE¼	160.00	Rough	20	Grazing	VII	Grazing	Private
		6	NE¼NW¼, NE¼, N½SE¼,SE¼SE¼	320.00	Rough	40	Grazing	VII	Grazing	Private
		7	SE¼	160.00	Rough	20	Grazing	VII	Grazing	Private
		8	S½	320.00	Rough	40	Grazing	VII	Grazing	Private
		9	N½	320.00	Rough	40	Grazing	VII	Grazing	Private
		10	SW¼SE¼	40.00	Rolling to level	15	Grazing	25/V:15/VI	Grazing	Private
		10	E½SE¼	80.00	Level	32	Grazing	V	Cultivation	Private
		15	NW¼NE¼	40.00	Level	16	Grazing	V	Cultivation	Private
		17	NE¼, E½NW¼, NW¼NW¼	280.00	Rough	35	Grazing	VII	Grazing	Private
		18	NE¼, E½NW¼, W½SW¼	320.00	Rough	40	Grazing	VII	Grazing	Private
		32	Lots 7, 9, 10	92.28	Level	37	Grazing	V	Cultivation	Private
4	48	2	All	640.00	Gently rolling	80	Grazing	VI	Grazing	Private
	49	2	N½NW¼	80.00	Slightly rolling	26	Grazing	VI	Grazing	Private
		25	NE¼NE¼	40.00	Rolling	13	Grazing	VI	Grazing	Private
		31	Lot 14	17.32	Rolling	6	Grazing	VI	Grazing	Private
		33	Lots 3, 6, 11	121.83	Slightly rolling	40	Grazing	VI	Grazing	Private
	50	1	Lots 3, 4, 5, 6	140.89	Rough and hilly	35	Grazing	VII	Grazing	Private
		3	Lots 4, 5	71.31	Rough and hilly	24	Grazing	VII	Grazing	Private
		8	Lots 18, 23	30.00	Rolling	10	Grazing	VI	Grazing	Private
		12	Lots 1,2,3,5,6,7,8,10, 11, 12	378.72	Rough and hilly	126	Grazing	VII	Recreation	Federal
		13	Lots 1, 2, 5	114.75	Rough and hilly	38	Grazing	VII	Recreation	Federal

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Table 6 .- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

MONTANA

Montana Principal Meridian Twp. South	Range East	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Powder River County										
4	50	18	E½NE¼	80.00	Rolling	32	Grazing	VI	Grazing	Private
		18	Lot 4	38.94	Rolling	12	Grazing	VI	Grazing	Private
		20	NE¼SE¼	40.00	Broken	11	Grazing	VI	Grazing	Private
		20	SE¼SW¼	40.00	Rolling	11	Grazing	VI	Grazing	Private
		21	S½SW¼, W½SE¼	160.00	Rolling	35	Grazing	VI	Grazing	Private
		28	N½NW¼, NW¼NE¼, SE¼SW¼	160.00	Rolling	35	Grazing	VI	Grazing	Private
		29	E½NW¼	80.00	Rolling	23	Grazing	VI	Grazing	Private
		29	NE¼NE¼	40.00	Rolling	11	Grazing	VI	Grazing	Private
		31	NE¼NW¼, NW¼NE¼, SE¼SW¼	120.00	Rolling	27	Grazing	VI	Grazing	Private
		32	NE¼NE¼	40.00	Rolling	9	Grazing	VI	Grazing	Private
	51	3	SW¼SE¼	40.00	Rolling to rough	9	Grazing	5/VI:35/VII	Grazing	Private
		4	Lot 2	48.76	Rolling	16	Grazing	VI	Grazing	Private
		7	Lots 1,2,3, E½NE¼, SE¼NW¼, SW¼NE¼	301.82	Rough	60	Grazing	VII	Recreation	Federal
		8	SE¼NE¼	40.00	Rough	8	Grazing	VII	Grazing	Private
		9	NW¼SW¼	40.00	Rough	8	Grazing	VII	Grazing	Private
		10	NE¼SW¼	40.00	Rolling to rough	12	Grazing	30/VI:10/VII	Grazing	Private
		13	E½NW¼, SW¼	240.00	Rough	48	Grazing	VII	Grazing	Private
		14	SE¼SE¼	40.00	Rolling to rough	11	Grazing	20/VI:20/VII	Grazing	Private
		14	W½SE¼, NE¼SE¼	120.00	Rolling	40	Grazing	VI	Grazing	Private
		20	NE¼NW¼, NW¼NE¼	80.00	Rough	16	Grazing	VII	Grazing	Private
		23	W½NE¼	80.00	Rolling	27	Grazing	VI	Grazing	Private
		24	N½NW¼, NW¼NE¼	120.00	Broken	24	Grazing	VII	Grazing	Private
		25	N½NW¼	80.00	Level to broken	15	Grazing	25/V:25/VII:30/VIII	Recreation	Federal
		26	SW¼SE¼	40.00	Level	14	Grazing	35/V:5/VIII	Recreation	Federal
		35	NE¼NW¼, SW¼NE¼	80.00	Level	16	Grazing	40/V:40/VIII	Recreation	Federal
	52	8	NE¼NE¼	40.00	Level to rough	8	Grazing	20/V:10/VII:10/VIII	Recreation	Federal
		8	SW¼NE¼, NE¼SW¼, SW¼SE¼	120.00	Level	48	Grazing	100/V:20/VIII	Recreation	Federal

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Table 6.- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

MONTANA

Montana Principal Meridian Twp. South	Range East	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Powder River County										
4	52	9	SW¼SW¼	40.00	Rough	2	Grazing	VII	Grazing	Private
		9	SE¼SW¼	40.00	Rolling to rough	10	Grazing	30/VI:10/VII	Grazing	Private
		10	SE¼	160.00	Rough	32	Grazing	VII	Grazing	Private
		15	NE¼SE¼	40.00	Rolling	11	Grazing	VI	Grazing	Private
		17	NE¼NE¼	40.00	Rough to level	9	Grazing	20/V:10/VII: 10/VIII	Recreation	Federal
		17	SW¼NW¼	40.00	Level	12	Grazing	20/V:10/VIII	Recreation	Federal
		18	SW¼SE¼	40.00	Level	10	Grazing	25/V:15/VIII	Recreation	Federal
		31	Lot 4	38.05	Rolling to broken	13	Grazing	35/VI:3.05/VII	Grazing	Private
		31	SE¼SW¼	40.00	Rolling to broken	9	Grazing	5/VI:35/VII	Grazing	Private
		31	SW¼SE¼	40.00	Broken	8	Grazing	VII	Grazing	Private
		32	SW¼SW¼	40.00	Broken	8	Grazing	VII	Grazing	Private
		32	SE¼SW¼	40.00	Broken to rolling	8	Grazing	15/VI:25/VII	Grazing	Private
5	50	25	NE¼SE¼	40.00	Level	2	Cultivation	20/V:20/VIII	Recreation	Federal
		25	SW¼SW¼, NE¼SW¼	80.00	Level	6	Cultivation	50/V:30/VIII	Recreation	Federal
		35	NE¼NE¼	40.00	Level	2	Cultivation	20/V:20/VIII	Recreation	Federal
		35	SW¼SE¼	40.00	Rolling	13	Grazing	30/VI:10/VIII	Recreation	Federal
	51	1	SE¼SE¼	40.00	Rolling to steep	9	Grazing	10/VI:30/VII	Grazing	Private
		2	SE¼SE¼	40.00	Rough to rolling	12	Grazing	30/VI:10/VII	Grazing	Private
		2	NE¼SE¼, SW¼SE¼	80.00	Rolling	27	Grazing	VI	Grazing	Private
		12	NE¼NE¼	40.00	Rolling to rough	9	Grazing	10/VI:30/VII	Grazing	Private
		12	SE¼SE¼	40.00	Rough	8	Grazing	VII	Grazing	Private
		15	SE¼SW¼	40.00	Rough	8	Grazing	VII	Grazing	Private
	52	5	SW¼SW¼	40.00	Rolling	13	Grazing	VI	Grazing	Private
		5	NW¼SW¼	40.00	Rolling to rough	11	Grazing	20/VI:20/VII	Grazing	Private
		5	SW¼NW¼	40.00	Rough	8	Grazing	VII	Grazing	Private
		5	Lot 4	40.71	Rolling to rough	10	Grazing	15/VI:25.71/VII	Grazing	Private
		5	Lots 2, 3, SE¼NW¼, SW¼NE¼	161.74	Rolling	54	Grazing	VI	Grazing	Private

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Table 6 .- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

MONTANA

Montana Principal Meridian Twp. South	Range East	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Powder River County										
5	52	6	SE¼SE¼	40.00	Rolling to rough	12	Grazing	30/VI:10/VII	Grazing	Private
		6	Lot 1, NE¼SE¼, SE¼NE¼	120.71	Rough	24	Grazing	VII	Grazing	Private
		7	Lot 1	38.66	Rough	8	Grazing	VI	Grazing	Private
	53	35	SE¼SE¼	40.00	Rolling	9	Grazing	VI	Grazing	Private
		35	SW¼SE¼	40.00	Rough	8	Grazing	VII	Grazing	Private
	54	10	SW¼NW¼	40.00	Broken rolling	13	Grazing	VI	Grazing	Private
		23	NE¼NE¼	40.00	Rolling	13	Grazing	VI	Grazing	Private
6	48	9	SW¼SE¼	40.00	Rough to gently rolling	8	Grazing	VII	Grazing	Private
		13	NW¼NE¼	40.00	Rough to gently rolling	8	Grazing	VII	Grazing	Private
		14	SE¼SE¼	40.00	Rough to gently rolling	8	Grazing	VII	Grazing	Private
		15	Lot 4, SW¼NE¼	82.73	Rough to gently rolling	16	Grazing	VII	Grazing	Private
		22	NE¼SW¼	40.00	Rough to gently rolling	8	Grazing	VII	Grazing	Private
		23	SW¼SW¼	40.00	Rough to gently rolling	13	Grazing	35/VI:5/VII	Grazing	Private
		23	SE¼SE¼	40.00	Rough	8	Grazing	VII	Grazing	Private
		24	NE¼NE¼	40.00	Rough	8	Grazing	VII	Grazing	Private
		25	NE¼SE¼	40.00	Rolling to broken	10	Grazing	20/VI:20/VII	Grazing	Private
		25	NW¼SE¼, N½SW¼	120.00	Broken	24	Grazing	VII	Grazing	Private
	49	31	NE¼NE¼	40.00	Rough	5	Grazing	10/VI:30/VII	Grazing	Private
	50	1	Lot 1	40.02	Level	10	Grazing	10/V:20/VI: 10.02/VII	Recreation	Federal
		12	SE¼NW¼	40.00	Level		Cultivation	20/V:20/VIII	Recreation	Federal
		13	NE¼SE¼	40.00	Rolling to steep	10	Grazing	20/VI:20/VII	Grazing	Private
		13	W½SE¼	80.00	Rolling	23	Grazing	VI	Grazing	Private
		13	SW¼SW¼	40.00	Level to rolling	9	Cultivation	10/V:30/VI	Cultivation, Grazing	Private
		14	SE¼SE¼	40.00	Level to rolling	6	Cultivation	20/V:20/VI	Cultivation, Grazing	Private

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Table 6.- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

MONTANA

Montana Principal Meridian Twp. South	Range East	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Powder River County										
6	50	22	SE¼SE¼	40.00	Rough to steep	7	Grazing	VII	Multiple	Federal
		26	SW¼SE¼	40.00	Level	13	Grazing	V	Cultivation	Private
		27	E½NE¼, E½SE¼	160.00	Rough	39	Grazing	VII	Multiple	Federal
		28	S½SW¼	80.00	Level	14	Grazing, Cultivation	50/V:30/VIII	Recreation	Federal
		32	E½NE¼	80.00	Level	9	Cultivation	40/V:40/VIII	Recreation	Federal
		33	S½NE¼	80.00	Rolling to broken	16	Grazing	VII	Multiple	Federal
		34	SW¼, S½NW¼, NE¼NW¼, N½NE¼, SE¼NE¼	400.00	Rolling to rough	77	Grazing	VII	Multiple	Federal
		35	W½NW¼, N½SW¼	160.00	Rough	32	Grazing	VII	Multiple	Federal
		35	NE¼NE¼	40.00	Level to rough	11	Grazing	20/V:20/VII	Grazing	Private
		35	SE¼NE¼	40.00	Rough	7	Grazing	VII	Grazing	Private
	51	4	SE¼SE¼	40.00	Rolling	13	Grazing	VI	Grazing	Private
		4	SW¼SE¼	40.00	Rolling to rough	11	Grazing	20/VI:20/VII	Grazing	Private
		4	SW¼SW¼	40.00	Rolling to rough	11	Grazing	20/VI:20/VII	Grazing	Private
		4	SW¼NW¼, NW¼SW¼, SE¼SW¼	160.00	Rolling to rough	10	Grazing	VII	Grazing	Private
		5	N½SE¼	80.00	Rolling to rough	20	Grazing	VII	Grazing	Private
		5	SE¼SE¼	40.00	Rolling to rough	12	Grazing	30/VI:10/VII	Grazing	Private
		5	SW¼SE¼	40.00	Rolling	13	Grazing	VI	Grazing	Private
		6	Lots 2, 3, 4, 5, 6	84.84	Flat	15	Grazing	V	Widlife, Recreation	Federal
		8	SE¼SW¼	40.00	Rolling to steep	9	Grazing	15/VI:25/VII	Grazing	Private
		8	SW¼SW¼	40.00	Rolling to steep	8	Grazing	VII	Grazing	Private
		9	NE¼NE¼	40.00	Rolling to steep	11	Grazing	20/VI:20/VII	Grazing	Private
		9	SE¼NE¼	40.00	Rolling to steep	9	Grazing	10/VI:30/VII	Grazing	Private
		9	NW¼NE¼	40.00	Rolling to steep	9	Grazing	10/VI:30/VII	Grazing	Private
		9	E½SE¼, N½NW¼, SE¼SW¼	200.00	Rolling	60	Grazing	VI	Grazing	Private
		14	NE¼, SW¼SE¼	200.00	Rolling	60	Grazing	VI	Grazing	Private

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Table 6 .- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ - Continued

MONTANA

Montana Principal Meridian Twp. South	Range East	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Powder River County										
6	51	14	NW¼SE¼	40.00	Rolling to rough	7	Grazing	VII	Grazing	Private
		15	NE¼NE¼	40.00	Rolling to rough	7	Grazing	VII	Grazing	Private
		15	SE¼NE¼	40.00	Rolling to rough	13	Grazing	VI	Grazing	Private
		22	NE¼NE¼	40.00	Rolling to rough	10	Grazing	20/VI:20/VII	Grazing	Private
		22	SE¼NE¼	40.00	Rolling to rough	8	Grazing	VII	Grazing	Private
		30	Lot 11	13.91	Rolling to rough	4	Grazing	VI	Grazing	Private
		31	Lots 2,3,SE¼SE¼	106.45	Rolling to rough	23	Grazing	VI	Grazing	Private
		32	N½SE¼, S½SW¼, NW¼SW¼	200.00	Rolling to rough	45	Grazing	VII	Grazing	Private
		32	NW¼NW¼	40.00	Rolling	12	Grazing	VI	Grazing	Private
		33	NE¼,E½NW¼,SW¼NW¼,S½	600.00	Rolling to rough	102	Grazing	VII	Grazing	Private
		34	SW¼SW¼	40.00	Rolling to rough	7	Grazing	VII	Grazing	Private
		34	NE¼SW¼	40.00	Rolling	12	Grazing	VI	Grazing	Private
		34	NW¼SW¼	40.00	Rolling to steep	10	Grazing	20/VI:20/VII	Grazing	Private
		34	SE¼SW¼	40.00	Rolling to steep	9	Grazing	15/VI:25/VII	Grazing	Private
		36	NE¼SW¼,SE¼NW¼	80.00	Rolling	12	Grazing	VI	Grazing	Private
	52	9	NE¼SW¼	40.00	Rolling to rough	10	Grazing	VII	Grazing	Private
		10	W½SW¼, SE¼SW¼	120.00	Rolling to rough	24	Grazing	VII	Grazing	Private
		11	NW¼NW¼	40.00	Rolling	12	Grazing	VI	Grazing	Private
		15	NW¼, NW¼SW¼	200.00	Rolling to rough	100	Grazing	VII	Grazing	Private
		20	NE¼NE¼	40.00	Rolling to rough	20	Grazing	VII	Grazing	Private
		21	N½NE¼,NW¼SW¼	120.00	Rolling to rough	30	Grazing	VII	Grazing	Private
		22	SW¼NW¼	40.00	Rolling	12	Grazing	VI	Grazing	Private
		22	SE¼NE¼	40.00	Flat	16	Grazing	V	Grazing	Private
		33	SE¼SW¼, SW¼SE¼	80.00	Rolling	20	Grazing	VI	Grazing	Private
		34	NW¼NW¼	40.00	Rolling to rough	9	Grazing	VII	Grazing	Private
		34	SW¼NW¼	40.00	Rolling to rough	8	Grazing	10/VI:30/VII	Grazing	Private
	54	4	Lot 4	40.24	Rolling	9	Grazing	VI	Grazing	Private
		5	Lots 1,2,3,4	162.48	Rolling	36	Grazing	VI	Grazing	Private
		6	Lot 1	40.99	Rolling	9	Grazing	VI	Grazing	Private
		8	NW¼SW¼	40.00	Rolling to level	9	Grazing	VI	Grazing	Private

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Table 6.- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

MONTANA

Montana Principal Meridian Twp. South	Range East	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Powder River County										
6	54	15	NE¼SE¼	40.00	Gently rolling	9	Grazing	VI	Grazing	Private
		19	SE¼SW¼	40.00	Gently rolling	13	Grazing	VI	Grazing	Private
		20	SE¼NW¼	40.00	Gently rolling	9	Grazing	VI	Grazing	Private
		21	NW¼NW¼	40.00	Gently rolling	9	Grazing	VI	Grazing	Private
		30	Lot 2	33.98	Rough	5	Grazing	VII	Grazing	Private
		30	SE¼NW¼	40.00	Rolling to rough	10	Grazing	15/VI:25/VII	Grazing	Private
		33	W½NW¼	80.00	Rolling	16	Grazing	VI	Grazing	Private
		34	NE¼NE¼	40.00	Rolling	11	Grazing	VI	Grazing	Private
		34	NE¼SE¼, SE¼NE¼, SW¼NE¼, SE¼NW¼	160.00	Rolling	53	Grazing	VI	Grazing	Private
7	50	3	Lots 3,4, S½NW¼, SW¼	295.19	Rough to rolling	59	Grazing	VII	Multiple	Federal
		4	Lots 1, 2, S½NE¼, SE¼	295.46	Rough to rolling	59	Grazing	VII	Multiple	Federal
		8	W½SW¼	80.00	Rough	15	Grazing	VII	Grazing	Private
		10	SW¼, SE¼, NW¼, S½NE¼	560.00	Rough	102	Grazing	VII	Multiple	Federal
		11	W½SW¼, SW¼NW¼	120.00	Rough	15	Grazing	VII	Multiple	Federal
		13	NW¼, NE¼, SE¼	480.00	Rolling to steep	97	Grazing	VII	Multiple	Federal
		18	N½NE¼	80.00	Rolling	23	Grazing	VI	Grazing	Private
		18	Lots 3,4, SE¼SW¼, SW¼SE¼	183.08	Rough	40	Grazing	VII	Multiple	Federal
		19	W½NE¼, SE¼	240.00	Rough	53	Grazing	VII	Multiple	Federal
		19	SE¼SW¼	40.00	Rolling to rough	11	Grazing	30/VI:10/VII	Grazing	Private
		19	NE¼SW¼	40.00	Rolling to rough	11	Grazing	5/VI:35/VII	Multiple	Federal
		19	Lot 3	51.07	Rolling to rough	11	Grazing	25/VI:26.07/VII	Multiple	Federal
		23	NW¼SW¼	40.00	Rolling	8	Grazing	VII	Grazing	Private
		27	S½SW¼, SW¼SE¼	120.00	Rough	24	Grazing	VII	Multiple	Federal
		28	N½NE¼	80.00	Rough	18	Grazing	VII	Multiple	Federal
		29	SW¼SE¼	40.00	Rough	8	Grazing	VII	Multiple	Federal
		29	NW¼SE¼, W½NE¼	120.00	Rough	27	Grazing	VII	Grazing	Private
		30	NW¼SE¼	40.00	Rough	8	Grazing	VII	Multiple	Federal

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Table 6.- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

MONTANA

Montana Principal Meridian Twp. South	Range East	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Powder River County										
7	50	31	W½SE¼	80.00	Rough	16	Grazing	VII	Multiple	Federal
		32	E½NW¼	80.00	Rough	16	Grazing	VII	Multiple	Federal
		35	E½SE¼	80.00	Rolling to rough	16	Grazing	VII	Grazing	Private
	51	1	Lot 2	35.00	Rolling to rough	10	Grazing	VII	Grazing	Private
		1	SE¼SE¼	40.00	Rolling to rough	4	Grazing	VII	Grazing	Private
		1	Lot 1, S½NE¼, N½SE¼, SW¼SE¼	235.20	Rolling to rough	67	Grazing	VI	Grazing	Private
		3	All	619.48	Rolling to rough	124	Grazing	VII	Grazing	Private
		4	Lots 1,2,3,4, S½N½	298.68	Rolling to rough	55	Grazing	VII	Grazing	Private
		6	Lot 1	34.82	Rolling to rough	6	Grazing	10/VI:24.82/VII	Grazing	Private
		7	Lot 10	20.18	Rolling to rough	4	Grazing	VII	Grazing	Private
		10	N½N½	160.00	Rolling to rough	32	Grazing	VII	Grazing	Private
		12	N½, W½SE¼, SW¼SE¼	440.00	Rolling to rough	44	Grazing	VII	Grazing	Private
		13	W½NE¼	80.00	Rolling to rough	8	Grazing	VII	Grazing	Private
		14	NE¼SE¼	40.00	Rolling to rough	11	Grazing	30/VI:10/VII	Grazing	Private
		14	SE¼SE¼	40.00	Rolling to rough	11	Grazing	30/VI:10/VII	Grazing	Private
		14	NE¼NE¼	40.00	Rolling	11	Grazing	VI	Grazing	Private
		18	Lots 3, 4, 7, 8, 9, 10, 11,12, SW¼NE¼, W½SE¼, SE¼SE¼	396.84	Rolling to rough	92	Grazing	VII	Grazing	Private
		19	Lots 3, 4, 9, 10	78.92	Rolling to rough	16	Grazing	VII	Grazing	Private
		20	SE¼	160.00	Rolling to rough	35	Grazing	VII	Grazing	Private
		21	W½W½, SE¼SW¼	200.00	Rolling to rough	45	Grazing	VII	Grazing	Private
		21	W½SE¼, NE¼SW¼	120.00	Rolling	35	Grazing	VI	Grazing	Private
		23	SE¼SW¼	40.00	Rolling to rough	10	Grazing	30/VI:10/VII	Grazing	Private
		23	NE¼NE¼	40.00	Rolling to rough	9	Grazing	25/VI:15/VII	Grazing	Private
		23	SW¼NE¼	40.00	Rolling	11	Grazing	VI	Grazing	Private
		24	NW¼NE¼	40.00	Rolling	11	Grazing	VI	Grazing	Private

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Table 6.- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

MONTANA

Montana Principal Meridian

Powder River County

Twp. South	Range East	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
7	51	24	NE¼NE¼	40.00	Rolling to rough	4	Grazing	VII	Grazing	Private
		24	NE¼NW¼	40.00	Rolling to rough	8	Grazing	20/VI:20/VII	Grazing	Private
		29	NE¼NE¼	40.00	Rolling to rough	10	Grazing	VII	Grazing	Private
		31	Lot 6	40.00	Rolling	11	Grazing	VI	Grazing	Private
		33	W½NW¼	80.00	Rolling to rough	16	Grazing	VII	Grazing	Private
	52	2	SE¼NW¼	40.00	Level to rolling	11	Grazing	10/V:30/VI	Cultivation, Grazing	Private
		3	SE¼SW¼	40.00	Rolling to rough	11	Grazing	30/VI:10/VII	Grazing	Private
		3	NE¼SW¼	40.00	Rolling to rough	11	Grazing	30/VI:10/VII	Grazing	Private
		3	SE¼NW¼	40.00	Rolling to rough	11	Grazing	5/VI:35/VII	Grazing	Private
		3	W½SW¼, W½NW¼, NE¼NW¼	200.00	Rough	44	Grazing	VII	Grazing	Private
		4	SE¼SE¼	40.00	Rolling to rough	10	Grazing	15/VI:25/VII	Grazing	Private
		4	NW¼SW¼	40.00	Rolling to rough	12	Grazing	30/VI:10/VII	Grazing	Private
		4	SW¼NW¼	40.00	Rolling to rough	12	Grazing	30/VI:10/VII	Grazing	Private
		4	SE¼NW¼	40.00	Rolling to rough	11	Grazing	10/VI:30/VII	Grazing	Private
		4	N½NW¼	80.00	Rolling	27	Grazing	VI	Grazing	Private
		4	NE¼, N½SE¼, SW¼SE¼, S½SW¼, NE¼SW¼	400.00	Rolling to rough	80	Grazing	VII	Grazing	Private
		5	SE¼SE¼	40.00	Rolling to rough	8	Grazing	VII	Grazing	Private
		9	NW¼NW¼	40.00	Rolling to rough	9	Grazing	20/VI:20/VII	Grazing	Private
		9	NE¼NW¼	40.00	Rolling to rough	9	Grazing	20/VI:20/VII	Grazing	Private
		9	NW¼NE¼	40.00	Rolling to rough	9	Grazing	20/VI:20/VII	Grazing	Private
		9	NW¼SE¼	40.00	Rolling to rough	11	Grazing	35/VI:5/VII	Grazing	Private
		9	S½NW¼, S½NE¼, NE¼NE¼, NE¼SE¼	240.00	Rolling	27	Grazing	VI	Grazing	Private
		10	NW¼NW¼	40.00	Rolling to rough	13	Grazing	20/VI:20/VII	Grazing	Private
		10	NE¼NW¼	40.00	Rolling to rough	15	Grazing	35/VI:5/VII	Grazing	Private
		14	NW¼NE¼	40.00	Level to rough	12	Grazing	20/V:20/VII	Cultivation, Grazing	Private

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Table 6.- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

MONTANA

Montana Principal Meridian

Twp. South	Range East	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Powder River County										
7	52	14	NW¼NW¼	40.00	Level	16	Grazing	V	Cultivation	Private
		15	SW¼NE¼	40.00	Rolling	13	Grazing	VI	Grazing	Private
		15	SE¼NE¼	40.00	Level to rolling	15	Grazing	20/V:20/VI	Cultivation, Grazing	Private
		17	NW¼NW¼	40.00	Steep to rolling	9	Grazing	30/VI:10/VIII	Grazing	Private
		17	SW¼NW¼	40.00	Steep to rolling	3	Grazing	10/VI:30/VIII	Grazing	Private
		19	NE¼NW¼, NW¼NE¼	80.00	Steep	8	Grazing	VII	Grazing	Private
		19	NE¼SE¼	40.00	Rolling to steep	6	Grazing	10/VI:30/VII	Grazing	Private
		19	SE¼SE¼	40.00	Rolling	9	Grazing	VI	Grazing	Private
		20	NW¼SW¼	40.00	Rolling to steep	10	Grazing	30/VI:10/VII	Grazing	Private
		20	SE¼NW¼	40.00	Rolling to steep	9	Grazing	25/VI:15/VII	Grazing	Private
		20	NE¼, SE¼, NE¼SW¼	360.00	Rolling	103	Grazing	VI	Grazing	Private
		21	NW¼NW¼	40.00	Rolling	11	Grazing	VI	Grazing	Private
		28	NW¼SW¼	40.00	Rolling	13	Grazing	VI	Grazing	Private
		30	Lot 4	23.79	Rolling	8	Grazing	VI	Grazing	Private
		32	NE¼NW¼	40.00	Rolling	13	Grazing	VI	Grazing	Private
		33	Lots 3,4	74.16	Rough	18	Grazing	VII	Grazing	Private
	53	35	SE¼NE¼	40.00	Rolling to rough, rock outcrops	8	Grazing	VII	Grazing	Private
	54	10	SW¼, S½NW¼, SW¼NE¼	280.00	Rolling to steep	47	Grazing	VII	Grazing	Private
		33	E½SW¼	80.00	Rough	13	Grazing	VII	Grazing	Private
		34	NW¼, N½SW¼, SW¼SW¼	280.00	Rough	56	Grazing	VII	Grazing	Private
8	50	1	Lot 2, NW¼NE¼	93.80	Rough	27	Grazing	VII	Grazing	Private
		2	SE¼SW¼	40.00	Rolling to rough	9	Grazing	20/VI:20/VII	Grazing	Private
		11	N½SE¼	80.00	Rolling	20	Grazing	VI	Grazing	Private
		12	W½SW¼	80.00	Rolling	20	Grazing	VI	Grazing	Private
		24	SE¼SE¼	40.00	Rolling	11	Grazing	VI	Grazing	Private

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Table 6.- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

MONTANA

Montana Principal Meridian Twp. South	Range East	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Powder River County										
8	50	25	E½NW¼	80.00	Rolling	20	Grazing	VI	Grazing	Private
		25	E½SE¼	80.00	Rolling	22	Grazing	VI	Grazing	Private
	51	1	Lot 2	52.71	Rolling	15	Grazing	VI	Grazing	Private
		1	Lot 4	52.86	Rolling	15	Grazing	VI	Grazing	Private
		2	Lot 1	52.94	Rolling to rough	11	Grazing	20/VI:32.94/VII	Grazing	Private
		3	SE¼NE¼	40.00	Rough	7	Grazing	VII	Multiple	Federal
		5	SW¼NW¼	40.00	Rolling to slightly rough	11	Grazing	VI	Grazing	Private
		6	SW¼SE¼	40.00	Rolling to rough	10	Grazing	20/VI:20/VII	Grazing	Private
		6	SE¼NW¼	40.00	Rough	7	Grazing	VII	Multiple	Federal
		7	SW¼SE¼	40.00	Rough	9	Grazing	VII	Grazing	Private
		11	N½SE¼	80.00	Steep	12	Grazing	VII	Grazing	Private
		12	S½NW¼, NW¼SW¼	120.00	Rolling to broken	34	Grazing	VI	Grazing	Private
		13	SW¼NW¼	40.00	Rolling to broken	11	Grazing	VI	Grazing	Private
		13	SW¼SW¼	40.00	Rough to steep	5	Grazing	VII	Grazing	Private
		14	NE¼NE¼	40.00	Rolling to steep	7	Grazing	10/VI:30/VII	Grazing	Private
		14	SE¼NE¼	40.00	Rolling to steep	8	Grazing	15/VI:25/VII	Grazing	Private
		14	W½NE¼, NW¼, SW¼, SE¼	560.00	Rough to steep	70	Grazing	VII	Grazing	Private
		19	Lot 4	34.95	Rolling	10	Grazing	VI	Grazing	Private
		20	W½NW¼	80.00	Rolling	17	Grazing	VI	Grazing	Private
		23	All	640.00	Rough to steep	80	Grazing	VII	Grazing	Private
		26	SE¼SE¼	40.00	Rolling to rough	8	Grazing	15/VI:25/VII	Grazing	Private
		26	NE¼SE¼	40.00	Rolling to rough	9	Grazing	20/VI:20/VII	Grazing	Private
		26	SE¼NE¼	40.00	Rolling to rough	10	Grazing	25/VI:15/VII	Grazing	Private
		26	W½SE¼, W½NE¼, NE¼NE¼, W½	520.00	Rough to steep	65	Grazing	VII	Grazing	Private
		29	N½NE¼, NE¼NW¼	120.00	Rolling	40	Grazing	VI	Grazing	Private
		30	Lots 1,2	70.17	Rolling	23	Grazing	VI	Grazing	Private
		31	N½NE¼, SE¼NE¼, NE¼SE¼	160.00	Rolling	53	Grazing	VI	Grazing	Private
		31	Lot 4	35.58	Rolling to rough	9	Grazing	10/VI:25.58/VII	Grazing	Private

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Table 6.- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

MONTANA

Montana Principal Meridian

Twp. South	Range East	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Powder River County										
8	51	31	SE¼SW¼	40.00	Rolling to rough	13	Grazing	35/VI:5/VII	Grazing	Private
		34	S½NE¼, S½SW¼	160.00	Rolling	53	Grazing	VI	Grazing	Private
		35	S½NW¼	80.00	Rolling	26	Grazing	VI	Grazing	Private
	52	8	SW¼NW¼, NW¼SW¼	80.00	Rolling	23	Grazing	VI	Grazing	Private
		8	W½SE¼	80.00	Broken	20	Grazing	VII	Grazing	Private
		10	NW¼NW¼	40.00	Rough to broken	10	Grazing	VII	Grazing	Private
		15	SW¼NE¼	40.00	Level	16	Grazing	V	Cultivation	Private
		17	SW¼	160.00	Rolling	46	Grazing	VI	Grazing	Private
		19	S½SE¼	80.00	Rough	20	Grazing	VII	Grazing	Private
		19	NE¼SE¼	40.00	Rolling to rough	10	Grazing	15/VI:25/VII	Grazing	Private
		19	NW¼SE¼	40.00	Rolling to rough	11	Grazing	35/VI: 5/VII	Grazing	Private
		19	S½NE¼, NE¼NE¼	120.00	Rolling	34	Grazing	VI	Grazing	Private
		20	SW¼NW¼	40.00	Rolling	11	Grazing	VI	Grazing	Private
		20	NW¼NW¼	40.00	Rolling to rough	11	Grazing	5/VI:35/VII	Grazing	Private
		20	NW¼NE¼	40.00	Rolling to rough	10	Grazing	10/VI:30/VII	Grazing	Private
		20	E½NW¼, NW¼SE¼	120.00	Rough	30	Grazing	VII	Grazing	Private
		28	SW¼NE¼	40.00	Level to rolling	11	Grazing	15/V:25/VII	Grazing	Private
		29	SE¼NW¼, SW¼NE¼	80.00	Rolling to rough	20	Grazing	VII	Grazing	Private
		33	NE¼NW¼	40.00	Rough	10	Grazing	VII	Grazing	Private
	53	1	Lot 4	39.91	Rolling	11	Grazing	VI	Grazing	Private
		2	NW¼SE¼	40.00	Rolling	11	Grazing	VI	Grazing	Private
		10	NE¼, N½SE¼, SE¼SE¼	280.00	Rolling	80	Grazing	VI	Grazing	Private
		11	SW¼, N½NW¼, SW¼NW¼	280.00	Rolling	80	Grazing	VI	Grazing	Private
		14	NW¼NW¼	40.00	Rolling	13	Grazing	35/VI:5/VII	Grazing	Private
		14	NE¼NW¼	40.00	Rolling	9	Grazing	10/VI:30/VII	Grazing	Private
		14	W½NE¼	80.00	Rolling	27	Grazing	VI	Grazing	Private
		15	SE¼SE¼	40.00	Rolling to rough	11	Grazing	25/VI:15/VII	Grazing	Private
		15	NW¼SE¼	40.00	Rolling to rough	11	Grazing	25/VI:15/VII	Grazing	Private

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Table 6.- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

MONTANA

Montana Principal Meridian Twp. South	Range East	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Powder River County										
8	53	15	NE¼SE¼	40.00	Rough	8	Grazing	VII	Grazing	Private
		15	SE¼NE¼	40.00	Rolling to rough	11	Grazing	20/VI:20/VII	Grazing	Private
		15	SW¼NE¼	40.00	Rolling to rough	9	Grazing	10/VI:30/VII	Grazing	Private
		15	N½NE¼, SW¼SE¼	120.00	Rolling	40	Grazing	VI	Grazing	Private
		21	S½NW¼, S½NE¼, E½SW¼, W½SE¼	320.00	Rolling	107	Grazing	VI	Grazing	Private
		26	SE¼NW¼	40.00	Rolling to rough	9	Grazing	10/VI:30/VII	Grazing	Private
		26	NE¼SW¼	40.00	Rolling to rough	9	Grazing	10/VI:30/VII	Grazing	Private
		26	SW¼NW¼, W½SW¼, SE¼SW¼	160.00	Rough	35	Grazing	VII	Grazing	Private
		27	SE¼SE¼	40.00	Rolling to rough	9	Grazing	5/VI:35/VII	Grazing	Private
		27	NE¼SE¼	40.00	Rolling to rough	12	Grazing	30/VI:10/VII	Grazing	Private
		27	SE¼NE¼	40.00	Rolling to rough	12	Grazing	30/VI:10/VII	Grazing	Private
		27	N½NW¼, SE¼NW¼, N½NE¼, SW¼NE¼, NW¼SE¼, NE¼SW¼	320.00	Rolling	107	Grazing	VI	Grazing	Private
		28	S½SW¼, E½SE¼	160.00	Rolling	53	Grazing	VI	Grazing	Private
		28	NE¼NE¼	40.00	Rolling	13	Grazing	VI	Grazing	Private
		35	E½NW¼, W½NE¼	160.00	Rolling to rough, rock outcrops	32	Grazing	VII	Grazing	Private
	54	3	Lots 2,3,4, SW¼NW¼,W½SW¼	240.19	Rough to steep	47	Grazing	VII	Grazing	Private
		4	SE¼NE¼	40.00	Rough to steep	7	Grazing	VII	Grazing	Private
		4	W½SW¼	80.00	Rough to steep	11	Grazing	VII	Grazing	Private
		5	SE¼, E½SW¼	240.00	Rough to steep	34	Grazing	VII	Grazing	Private
		6	Lots 1,2,3,4,5,6,7, SE¼, SE¼NW¼, S½NE¼, E½SW¼	625.17	Rough to steep	92	Grazing	VII	Grazing	Private
		7	S½SE¼	80.00	Level	13	Grazing	V	Cultivation	Private
		9	SW¼NW¼	40.00	Level to rolling	3	Cultivation, Grazing	20/V:20/VII	Cultivation, Grazing	Private
		9	SE¼SW¼	40.00	Level to rolling	3	Cultivation, Grazing	20/V:20/VII	Cultivation, Grazing	Private

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Table 6.- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

MONTANA

Montana Principal Meridian Twp. South	Range East	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Powder River County										
8	54	9	SW¼SE¼	40.00	Rolling	7	Grazing	VI	Grazing	Private
		10	NW¼NW¼	40.00	Rough	8	Grazing	VII	Grazing	Private
		13	SE¼SE¼	40.00	Rolling to rough	10	Grazing	10/VI:30/VII	Multiple	Federal
		25	SW¼SW¼	40.00	Rolling	13	Grazing	VI	Grazing	Private
		26	NE¼NE¼, NE¼SE¼	80.00	Rolling	27	Grazing	VI	Grazing	Private
		28	W½NE¼, SE¼NW¼	120.00	Rolling	40	Grazing	VI	Grazing	Private
9	49	21	NE¼, SE¼	320.00	Rough to steep	49	Grazing	VII	Multiple	Federal
		22	S½SW¼, NE¼SW¼, SW¼SE¼	160.00	Rough to steep	24	Grazing	VII	Multiple	Federal
		25	SE¼NE¼	40.00	Rolling to rough	6	Grazing	10/VI:30/VII	Multiple	Federal
		25	SW¼SE¼	40.00	Rolling to rough	8	Grazing	20/VI:20/VII	Grazing	Private
		25	NW¼SE¼, SE¼SE¼	80.00	Rough	12	Grazing	VII	Multiple	Federal
		27	W½NW¼	80.00	Rough to steep	12	Grazing	VII	Multiple	Federal
		28	N½NE¼, SW¼NE¼	120.00	Rough to steep	18	Grazing	VII	Multiple	Federal
		35	NE¼NW¼, NE¼SW¼, NW¼SE¼	120.00	Steep		Grazing	VIII	Multiple	Federal
		35	SE¼NW¼	40.00	Steep	1	Grazing	5/VII:35/VIII	Multiple	Federal
		35	NW¼NE¼	40.00	Steep	2	Grazing	25/VII:15/VIII	Multiple	Federal
		35	SW¼NE¼	40.00	Steep	5	Grazing	35/VII:5/VIII	Multiple	Federal
		35	NE¼SE¼	40.00	Steep	5	Grazing	35/VII:5/VIII	Multiple	Federal
		35	E½NE¼	80.00	Steep	12	Grazing	VII	Multiple	Federal
	50	1	SE¼SW¼	40.00	Rolling to rough	10	Grazing	30/VI:10/VII	Grazing	Private
		1	SW¼SE¼	40.00	Rolling to rough	10	Grazing	25/VI:15/VII	Grazing	Private
		7	Lots 5, 8, 11	120.00	Rough	18	Grazing	VII	Grazing	Private
		12	SE¼NW¼, NE¼SW¼, N½SE¼	160.00	Rough	24	Grazing	VII	Grazing	Private
		13	NE¼NE¼, SE¼SE¼	80.00	Rolling	27	Grazing	VI	Grazing	Private
		17	NE¼	160.00	Steep	24	Grazing	VII	Multiple	Federal
		18	Lot 2	40.00	Steep	5	Grazing	35/VII:5/VIII	Multiple	Federal
		18	Lot 1	40.00	Rolling to rough	6	Grazing	VII	Multiple	Federal
		19	Lot 10	39.63	Rolling to rough	9	Grazing	29.63/VI:10/VII	Multiple	Federal

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Table 6.- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

MONTANA

Montana Principal Meridian Twp. South	Range East	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Powder River County										
9	50	19	Lots 11, 12	80.00	Rough	12	Grazing	VII	Multiple	Federal
		24	NE¼, SE¼, SW¼, S½NW¼	560.00	Rolling	160	Grazing	VI	Grazing	Private
		25	SW¼SW¼	40.00	Rough	4	Grazing	VII	Grazing	Private
		25	NW¼SW¼	40.00	Rolling	11	Grazing	VI	Grazing	Private
		25	SW¼SE¼	40.00	Rolling to rough	6	Grazing	15/VI:25/VII	Grazing	Private
		25	SE¼SE¼	40.00	Rolling to rough	7	Grazing	20/VI:20/VII	Grazing	Private
		25	N½NE¼, SE¼NE¼, NE¼SE¼	160.00	Rolling	45	Grazing	VI	Grazing	Private
		28	SW¼SW¼, E½SW¼, SE¼NW¼, SW¼NE¼, W½SE¼	280.00	Rough to steep	43	Grazing	VII	Multiple	Federal
		30	Lot 11	40.00	Rolling to rough	7	Grazing	5/VI:35/VII	Multiple	Federal
		30	Lot 9	39.81	Rolling to rough	7	Grazing	5/VI:34.81/VII	Multiple	Federal
		30	Lot 10	39.85	Rough	6	Grazing	VII	Multiple	Federal
		30	Lot 6	40.00	Rolling to rough	7	Grazing	15/VI:25/VII	Multiple	Federal
		30	Lots 1,2, W½NE¼, N½SE¼, SE¼SE¼	280.00	Rough	43	Grazing	VII	Multiple	Federal
		31	SE¼NE¼	40.00	Rolling to rough	14	Grazing	30/VI:10/VII	Multiple	Federal
		31	Lots 1,2,3,4,5,6,7,8,9, 10,11,12,13,14,N½SE¼, SW¼NE¼	651.47	Rolling to rough	100	Grazing	VII	Multiple	Federal
		33	NE¼SW¼	40.00	Rough	6	Grazing	VII	Multiple	Federal
		33	NE¼NW¼, SW¼NE¼, NE¼SE¼	120.00	Rolling	48	Grazing	VI	Multiple	Federal
		33	NW¼NE¼	40.00	Rolling to rough	12	Grazing	25/VI:15/VII	Multiple	Federal
		33	SE¼NW¼	40.00	Rolling to rough	12	Grazing	25/VI:15/VII	Multiple	Federal
		33	NW¼SE¼	40.00	Rolling to rough	11	Grazing	20/VI:20/VII	Multiple	Federal
		33	SE¼NE¼	40.00	Rolling to rough	11	Grazing	20/VI:20/VII	Multiple	Federal
	51	1	Lots 1,2,3,4, W½NE¼, W½SE¼, NW¼, SW¼	641.69	Rolling	183	Grazing	VI	Multiple	Federal
		4	SW¼NE¼, SE¼SW¼, SW¼SE¼	120.00	Rolling	40	Grazing	VI	Multiple	Federal

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Table 6 .- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

MONTANA

Montana Principal Meridian Twp. South	Range East	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Powder River County										
9	51	5	NW¼SW¼	40.00	Rolling	13	Grazing	VI	Grazing	Private
		6	NE¼NE¼	40.00	Rolling	11	Grazing	VI	Grazing	Private
		6	Lot 1	35.66	Rolling to rough	7	Grazing	10/VI:25.66/VII	Grazing	Private
		6	Lot 2	35.73	Rolling to rough	9	Grazing	18/VI:17.73/VII	Grazing	Private
		6	NE¼NW¼	40.00	Rolling to rough	10	Grazing	30/VI:10/VII	Grazing	Private
		6	SE¼NW¼	40.00	Rolling to rough	10	Grazing	30/VI:10/VII	Grazing	Private
		6	NE¼SW¼	40.00	Rolling to rough	11	Grazing	35/VI:5/VII	Grazing	Private
		6	NW¼SE¼	40.00	Rolling to rough	11	Grazing	35/VI:5/VII	Grazing	Private
		6	SE¼SW¼	40.00	Rolling to rough	8	Grazing	5/VI:35/VII	Grazing	Private
		6	SW¼SE¼	40.00	Rolling to rough	11	Crazing	20/VI:20/VII	Grazing	Private
		7	Lot 1	35.95	Rough to steep	7	Grazing	VII	Grazing	Private
		8	S½NE¼, N½SE¼, N½SW¼, SW¼SW¼	280.00	Rolling	93	Grazing	VI	Grazing	Private
		9	N½	320.00	Rolling to broken	107	Grazing	VI	Grazing	Private
		12	SW¼	160.00	Rolling	53	Grazing	VI	Grazing	Private
		17	NW¼NW¼, S½NW¼	120.00	Rolling	40	Grazing	VI	Grazing	Private
		19	Lots 3,4	73.40	Rolling to broken	21	Grazing	VI	Grazing	Private
		19	SE¼SE¼	40.00	Rolling to rough	9	Grazing	25/VI:15/VII	Grazing	Private
		19	NE¼SE¼	40.00	Rolling to rough	6	Grazing	10/VI:30/VII	Grazing	Private
		20	SW¼SW¼	40.00	Rolling to rough	9	Grazing	25/VI:15/VII	Grazing	Private
		23	NE¼NE¼	40.00	Rolling	13	Grazing	VI	Grazing	Private
		28	NW¼NW¼, SW¼SW¼	80.00	Rolling	22	Grazing	VI	Grazing	Private
	52	3	Lot 2	40.14	Level	15	Grazing	V	Cultivation	Private
		6	Lot 1	40.16	Rough to rolling	10	Grazing	20/VI:20.16/VII	Grazing	Private
		6	Lots 2,3,4,5,6,7, E½SW¼, W½SE¼, SE¼NW¼, SW¼NE¼	469.10	Rolling	153	Grazing	VI	Grazing	Private
		8	SW¼SW¼	40.00	Rolling	13	Grazing	VI	Grazing	Private
		17	W½NW¼, SE¼NW¼	120.00	Rolling	30	Grazing	VI	Grazing	Private
		17	N½SE¼	80.00	Rough	13	Grazing	VII	Grazing	Private

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Table 6.- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

MONTANA

Montana Principal Meridian Twp. South	Range East	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Powder River County										
9	52	28	SW¼SE¼	40.00	Level to rough	12	Grazing	25/V:15/VII	Cultivation, Grazing	Private
		31	Lot 3	39.58	Rolling	11	Grazing	VI	Grazing	Private
		31	Lot 4	32.09	Rolling to rough	5	Grazing	5/VI:27.09/VII	Grazing	Private
	53	1	NW¼NW¼, S½SE¼	120.00	Rough	53	Grazing	VII	Grazing	Private
		10	SW¼SE¼	40.00	Rolling	13	Grazing	VI	Grazing	Private
		11	NE¼SE¼	40.00	Level	13	Grazing	V	Cultivation	Private
		11	NE¼NE¼	40.00	Rolling	13	Grazing	VI	Grazing	Private
		12	NW¼SE¼	40.00	Rolling	13	Grazing	VI	Grazing	Private
		12	NE¼NW¼	40.00	Rolling	13	Grazing	VI	Grazing	Private
		12	S½NE¼, NE¼NE¼	120.00	Rolling to rough	26	Grazing	VII	Grazing	Private
		12	NW¼NE¼	40.00	Rolling to rough	9	Grazing	10/VI:30/VII	Grazing	Private
		12	SE¼NW¼	40.00	Rolling to rough	12	Grazing	30/VI:10/VII	Grazing	Private
		15	W½NE¼, E½NW¼, NW¼SE¼	200.00	Rolling	67	Grazing	VI	Grazing	Private
		20	SE¼NW¼	40.00	Rolling to rough	14	Grazing	35/VI:5/VII	Grazing	Private
		20	NE¼SW¼	40.00	Rolling to rough	9	Grazing	5/VI:35/VII	Grazing	Private
		20	S½SW¼	80.00	Rough	16	Grazing	VI	Grazing	Private
		21	SW¼NW¼, NW¼SW¼	80.00	Rolling	27	Grazing	VI	Grazing	Private
		22	E½NW¼, NE¼SW¼	120.00	Rolling	40	Grazing	VI	Grazing	Private
		25	NE¼NW¼	40.00	Rolling	13	Grazing	VI	Grazing	Private
		29	N½NE¼, SE¼NE¼	120.00	Rough	24	Grazing	VII	Grazing	Private
		34	Lots 1,2	80.00	Rolling	27	Grazing	VI	Grazing	Private
		35	Lot 5	40.00	Rolling	12	Grazing	5/V:35/VI	Grazing	Private
		35	Lot 12	47.53	Rolling	13	Grazing	5/V:32.53/VI: 10/VII	Grazing	Private
	54	3	SE¼SE¼	40.00	Rolling	13	Grazing	VII	Multiple	Federal
		6	SE¼SE¼, SE¼SW¼, Lot 4	117.18	Rough	26	Grazing	VII	Grazing	Private
		7	Lots 1,2, E½NW¼	154.45	Rough	34	Grazing	VII	Grazing	Private
		7	NE¼, NE¼SE¼	200.00	Rough	40	Grazing	VII	Multiple	Federal

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Table 6.- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

MONTANA

Montana Principal Meridian Twp. South	Range East	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Powder River County										
9	54	8	SE¼SW¼	40.00	Rough	8	Grazing	VII	Grazing	Private
		8	SW¼NW¼	40.00	Rolling to rough	12	Grazing	20/VI:20/VII	Grazing	Private
		8	NW¼SW¼	40.00	Rolling to rough	11	Grazing	15/VI:25/VII	Grazing	Private
		10	SW¼NW¼	40.00	Rolling	13	Grazing	VI	Grazing	Private
		10	SW¼NE¼	40.00	Rough	8	Grazing	VII	Grazing	Private
		11	W½NW¼, SE¼NW¼	120.00	Rough	24	Grazing	VII	Grazing	Private
		18	NW¼NE¼	40.00	Rough	8	Grazing	VII	Grazing	Private
		18	NW¼SE¼	40.00	Rolling	13	Grazing	VI	Grazing	Private
		19	Lot 2	37.33	Rolling	13	Grazing	VI	Grazing	Private
		21	SE¼SE¼	40.00	Rough	8	Grazing	VII	Grazing	Private
		26	SW¼SW¼	40.00	Rough	8	Grazing	VII	Grazing	Private
		31	Lot 12	47.52	Rolling	16	Grazing	10/V:37.52/VI	Grazing	Private
Prairie County										
North	East									
9	52	8	NW¼NW¼	40.00	Rough and steep	5	Grazing	VII	Grazing	Federal
		8	SW¼NW¼	40.00	Rough and steep	4	Grazing	VII	Grazing	Federal
		8	E½NW¼, SW¼	240.00	Rough and steep	32	Grazing	VII	Grazing	Federal
		10	NW¼NW¼	40.00	Rolling to rough	11	Grazing	30/VI:10/VII	Grazing	Federal
		10	SW¼SW¼	40.00	Rolling	13	Grazing	VI	Grazing	Federal
10	50	12	S½	320.00	Steep		Grazing	VIII	Wildlife	Federal
		24	SE¼SE¼	40.00	Steep to rough	10	Grazing	20/VI:20/VIII	Wildlife, Grazing	Federal
		24	N½, SW¼, W½SE¼, NE¼SE¼	600.00	Steep		Grazing	VIII	Wildlife	Federal
		34	S½	320.00	Steep		Grazing	VIII	Wildlife	Federal
	51	2	Lot 1, SE¼NE¼, NE¼SE¼	112.88	Rough	6	Grazing	VII	Grazing, Watershed	Federal
		4	SW¼NE¼	40.00	Rolling	10	Grazing	VI	Grazing	Federal
		4	SE¼NW¼	40.00	Rough to rolling	5	Grazing	10/VI:30/VII	Grazing	Federal

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Table 6.- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

MONTANA

Montana Principal Meridian Twp. North	Range East	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Prairie County										
10	51	4	SW¼NW¼	40.00	Rough	4	Grazing	VII	Grazing	Federal
		6	Lot 1	30.63	Rolling to nearly level	9	Grazing	10/V:20.63/VI	Cultivation	Private
		6	Lot 2	30.28	Rolling	10	Grazing	VI	Grazing	Federal
		6	Lots 3,4,5,6,7, SE¼NW¼	201.11	Steep		Grazing	VIII	Wildlife	Federal
		8	Lots 3,6,7, W½SW¼	161.12	Nearly level	40	Grazing	V	Cultivation	Private
		14	E½	320.00	Steep	16	Grazing	VII	Grazing, Watershed	Federal
		18	Lots 1,2,3,4, E½NW¼,E½SW¼	301.72	Steep		Grazing	VIII	Wildlife	Federal
		18	Lot 5	33.45	Rolling to steep	5	Grazing	15/VI:18.45/VIII	Grazing, Wildlife	Federal
		18	Lot 6, NW¼SE¼	56.28	Rolling	19	Grazing	VI	Grazing	Federal
		18	Lot 7	12.50	Nearly level	3	Grazing	V	Cultivation	Private
		18	NE¼NE¼	40.00	Rolling to nearly level	12	Grazing	10/V:30/VI	Cultivation, Grazing	Private
		18	SE¼NE¼	40.00	Rolling to nearly level	10	Grazing	30/V:10/VI	Cultivation, Grazing	Private
		18	NE¼SE¼	40.00	Rolling to nearly level	12	Grazing	20/V:20/VI	Cultivation, Grazing	Private
		18	NW¼NE¼	40.00	Steep to rolling	10	Grazing	30/VI:10/VIII	Wildlife, Grazing	Federal
		18	SW¼NE¼	40.00	Steep to rolling	12	Grazing	35/VI:5/VIII	Wildlife, Grazing	Federal
		20	Lots 4,5	53.20	Level	13	Grazing	V	Cultivation	Private
		24	N½	320.00	Steep	16	Grazing	VII	Watershed, Grazing	Federal
		30	Lot 1	36.00	Rolling to level	11	Grazing	11/V:25/VI	Grazing, Cultivation	Private
		30	NE¼NW¼	40.00	Rolling to level	11	Grazing	35/V:5/VI	Cultivation, Grazing	Private

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Table 6 .- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

MONTANA

Montana Principal Meridian Twp. North	Range East	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Prairie County										
10	51	30	Lot 2	36.00	Rolling to level	10	Grazing	26/V:10/VI	Cultivation, Grazing	Private
		30	Lots 3,4, SE¼NW¼, NW¼NE¼	152.08	Rolling to level	38	Grazing	V	Cultivation	Private
	52	8	NW¼NW¼	40.00	Rolling to steep	7	Grazing	VII	Grazing	Federal
		8	SW¼NW¼	40.00	Rolling to steep	7	Grazing	VII	Grazing	Federal
		8	NW¼SW¼	40.00	Rolling to steep	7	Grazing	VII	Grazing	Federal
		8	SW¼SW¼	40.00	Rolling to steep	7	Grazing	VII	Grazing	Federal
		26	W½	320.00	Rolling to steep	64	Grazing	VII	Grazing	Federal
11	50	4	Lot 1	18.69	Level	5	Grazing	V	Cultivation	Private
		12	SE¼SW¼	40.00	Steep	4	Grazing	VII	Grazing	Federal
		12	NE¼SE¼	40.00	Rolling	13	Grazing	VI	Grazing	Federal
		24	W½SW¼	80.00	Rolling to steep	27	Grazing	VI	Grazing	Federal
		24	Lots 4,5,7	86.54	Nearly level	12	Grazing	V	Cultivation	Private
	51	30	Lots 1,2,3,4,5, N½NE¼	191.79	Level	48	Grazing	V	Cultivation	Private
		30	Lot 12	34.68	Level	9	Grazing	V	Cultivation	Private
		32	N½NE¼, SE¼NE¼	120.00	Steep	12	Grazing	VII	Grazing	Federal
WYOMING										
6th Principal Meridian-Wyoming North West Campbell County										
41	76	29	E½NE¼(part across divide)	50.00	Steep	5	Grazing	10/VI:40/VII	Grazing	Private
42	75	6	Lot 7	43.56	Steep	8	Grazing	VII	Multiple 3/	Federal
		30	Lot 3, NE¼SW¼	82.63	Steep	16	Grazing	VII	Grazing	Private
	76	10	E½E½, SW¼SE¼	200.00	Rough	20	Grazing	VII	Multiple 3/	Federal
		11	W½W½	160.00	Rough	16	Grazing	VII	Multiple 3/	Federal

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Table 6 .- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

WYOMING

6th Principal Meridian-Wyoming Twp. North	Range West	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Campbell County										
42	76	15	W½E½, SE¼NW¼, E½SW¼	280.00	Rough	44	Grazing	15/VI:265/VII	Grazing	Private
		20	SE¼SE¼	40.00	Rolling	10	Grazing	VI	Multiple 3/	Federal
		21	SW¼NW¼, NW¼SW¼	80.00	Rolling	20	Grazing	VI	Multiple 3/	Federal
		29	NE¼NE¼	40.00	Rolling	10	Grazing	VI	Multiple3/	Federal
43	76	5	SW¼SE¼	40.00	Rough	4	Grazing	VII	Multiple 3/	Federal
		9	E½, NW¼	480.00	Rough	69	Grazing	VII	Multiple 3/	Federal
		12	N½NW¼	80.00	Rolling	16	Grazing	VI	Multiple 3/	Federal
		13	NW¼NW¼	40.00	Rolling to rough	8	Grazing	VI	Multiple 3/	Federal
		14	N½NE¼, SW¼NE¼, NW¼	280.00	Rough	53	Grazing	VII	Multiple 3/	Federal
		15	N½NW¼, SE¼NW¼	120.00	Rough	12	Grazing	VII	Multiple 3/	Federal
		22	N½NE¼	80.00	Rough	8	Grazing	VII	Multiple 3/	Federal
		24	SW¼	160.00	Rolling to rough	30	Grazing	VII	Multiple 3/	Federal
44	75	4	Lot 4, SW¼NW¼	69.69	Rolling	17	Grazing	VII	Grazing	Private
		5	Lot 1	29.64	Rolling	7	Grazing	VII	Grazing	Private
		18	Lot 1, E½NW¼, NE¼SW¼	161.79	Rolling	32	Grazing	VII	Grazing	Private
45	75	6	Lot 3, SE¼NW¼, E½SW¼	159.67	Rolling to rough	16	Grazing	VII	Grazing	Private
		32	SE¼SW¼	40.00	Rolling	10	Grazing	VI	Grazing	Private
		33	SW¼SW¼	40.00	Rolling	10	Grazing	VI	Grazing	Private
46	75	18	SE¼SE¼	40.00	Rolling	9	Grazing	20/VI:20/VII	Grazing	Private
	76	12	S½SW¼	80.00	Rough	8	Grazing	VII	Grazing	Private
		13	N½NW¼, SW¼NW¼	120.00	Rough	12	Grazing	VII	Grazing	Private
		14	W½NW¼, NW¼SW¼	120.00	Rough	13	Grazing	VII	Grazing	Private
		15	SW¼SW¼	40.00	Rough	4	Grazing	VII	Grazing	Private
		23	W½NW¼, NW¼SW¼	120.00	Rough	12	Grazing	VII	Grazing	Private
		24	SE¼NW¼, NE¼SW¼	80.00	Rough	8	Grazing	VII	Grazing	Private
		25	N½NW¼	80.00	Rough	8	Grazing	VII	Grazing	Private
		27	NE¼NE¼, W½SW¼, SE¼SW¼	160.00	Rough	16	Grazing	VII	Grazing	Private
		33	E½SE¼	80.00	Rough	8	Grazing	VII	Grazing	Private
47	74	6	Lot 5	32.53	Rolling	7	Grazing	VI	Grazing	Private

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Table 6 .- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

WYOMING

6th Principal Meridian-Wyoming Twp. North	Range West	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Campbell County										
47	75	13	SW¼SE¼	40.00	Rolling	8	Grazing	VI	Grazing	Private
		21	SW¼SW¼	40.00	Rolling	8	Grazing	VI	Grazing	Private
48	74	3	W½SW¼	80.00	Rolling to rough	13	Grazing	VII	Grazing	Private
		4	E½SW¼, SE¼	240.00	Rolling to rough	40	Grazing	VII	Grazing	Private
		9	NE¼, E½NW¼	240.00	Rolling to rough	40	Grazing	VII	Grazing	Private
		10	NW¼NE¼, W½NW¼	120.00	Rolling to rough	20	Grazing	VII	Grazing	Private
		17	NE¼SE¼	40.00	Rolling	8	Grazing	VI	Grazing	Private
		18	SE¼SE¼	40.00	Rolling	8	Grazing	VI	Grazing	Private
		19	SE¼NE¼	40.00	Rolling	8	Grazing	VI	Grazing	Private
		29	W½SW¼	80.00	Rolling	16	Grazing	VI	Grazing	Private
		31	Lot 1, NE¼NW¼	72.52	Rolling	15	Grazing	VI	Grazing	Private
		31	Lot 4	32.24	Rolling	6	Grazing	VI	Grazing	Private
		32	S½SE¼	80.00	Rolling	20	Grazing	VI	Grazing	Private
	75	2	Lot 2, N½SW¼	116.81	Rolling	23	Grazing	VI	Grazing	Private
		3	SW¼NE¼	40.00	Rolling	8	Grazing	VI	Grazing	Private
49	75	4	E½SE¼	80.00	Rolling to rough	9	Grazing	10/VI:70/VII	Grazing	Private
		5	Lots 3,4, S½NW¼, N½S½	319.62	Rough	32	Grazing	VII	Grazing	Private
		6	Lots 1,2, S½NE¼	319.42	Rough	32	Grazing	VII	Grazing	Private
		9	E½E½	160.00	Rolling to rough	26	Grazing	100/VI:60/VII	Grazing	Private
		10	W½SW¼	80.00	Rolling to rough	10	Grazing	20/VI:60/VII	Grazing	Private
		31	NE¼SW¼, N½SE¼	120.00	Rolling to rough	14	Grazing	20/VI:100/VII	Grazing	Private
		32	SE¼NE¼	40.00	Rolling	8	Grazing	VI	Grazing	Private
	76	1	SE¼NW¼, NE¼SW¼	80.00	Rough	8	Grazing	VII	Grazing	Private
		12	SE¼NE¼	40.00	Rough	4	Grazing	VII	Grazing	Private
		13	SW¼SE¼	40.00	Rough	4	Grazing	VII	Grazing	Private
		14	NW¼SE¼	40.00	Rough	4	Grazing	VII	Grazing	Private
		23	SW¼NE¼, SE¼NW¼, NE¼SW¼, W½SE¼	200.00	Rolling to rough	31	Grazing	110/VI:90/VII	Grazing	Private
		24	NE¼SW¼	40.00	Rough	4	Grazing	VII	Grazing	Private

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Table 6 .- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

WYOMING

6th Principal Meridian-Wyoming Twp. North	Range West	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Campbell County										
49	76	25	NE¼NW¼	40.00	Rough	4	Grazing	VII	Grazing	Private
		26	NW¼SE¼	40.00	Rolling	10	Grazing	VI	Grazing	Private
50	69	5	Lot 2	40.18	Rolling to rough and broken	8	Grazing	10.18/VI:30/VII	Grazing	Private
	70	4	Lot 2	38.75	Rough and mountainous	5	Grazing	VII	Grazing	Private
	71	4	Lot 1	38.18	Rolling	15	Grazing	VI	Grazing	Private
	72	1	Lot 1	40.04	Rolling	15	Grazing	VI	Grazing	Private
		7	NE¼SE¼	40.00	Rough to rolling	9	Grazing	30/VI:10/VII	Grazing	Private
		7	SE¼SE¼	40.00	Rough to rolling	7	Grazing	20/VI:20/VII	Grazing	Private
	74	10	W½NW¼, NW¼SW¼, E½SW¼	200.00	Rolling to rough	35	Grazing	60/VI:140/VII	Grazing	Private
		15	NE¼NW¼	40.00	Rough	7	Grazing	VII	Grazing	Private
		21	SE¼SE¼	40.00	Rolling	8	Grazing	VI	Grazing	Private
		22	SE¼NE¼	40.00	Rolling	8	Grazing	VI	Grazing	Private
		23	SE¼SW¼, NE¼NW¼	80.00	Rolling	20	Grazing	VI	Grazing	Private
		27	NW¼NW¼	40.00	Rolling	8	Grazing	VI	Grazing	Private
	75	5	E½SE¼	80.00	Rolling	17	Grazing	VI	Grazing	Private
		6	S½NE¼	80.00	Rough	13	Grazing	VII	Grazing	Private
		9	NE¼NW¼, SW¼NE¼, S½SE¼	160.00	Rolling	40	Grazing	VI	Grazing	Private
		15	SW¼NW¼, NW¼SW¼	80.00	Rolling	20	Grazing	VI	Grazing	Private
		30	NE¼NW¼	40.00	Rough	4	Grazing	VII	Grazing	Private
		31	Lot 2, SE¼NW¼	78.77	Rough	8	Grazing	VII	Grazing	Private
	76	13	S½NE¼	80.00	Rough	8	Grazing	VII	Grazing	Private
		22	NW¼, S½NE¼	240.00	Rough	24	Grazing	VII	Multiple	Federal
		26	SE¼NE¼	40.00	Rough	4	Grazing	VII	Grazing	Private
		34	W½SW¼	80.00	Rough	8	Grazing	VII	Grazing	Private
51	69	7	Lot 3	36.43	Flat	13	Grazing	VI	Grazing	Private
		22	SE¼SE¼	40.00	Rough, stony, broken	7	Grazing	VII	Grazing	Private
		31	Lot 3	38.57	Moderately rough and broken	13	Grazing	VI	Grazing	Private
		31	NE¼SW¼	40.00	Moderately rough and broken	12	Grazing	30/VI:10/VII	Grazing	Private
		31	Lot 4	38.46	Moderately rough and broken	9	Grazing	10/VI:28.46/VII	Grazing	Private

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Table 6 .- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

WYOMING

6th Principal Meridian-Wyoming Twp. North	Range West	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Campbell County										
51	69	34	SW¼SE¼	40.00	Rough to level	8	Grazing	10/VI:30/VII	Grazing	Private
	70	4	SW¼NW¼	40.00	Rough and broken to flat	10	Grazing	20/VI:20/VII	Grazing	Private
		7	SE¼NW¼	40.00	Rough and broken	5	Grazing	VII	Grazing	Private
		10	NW¼NW¼	40.00	Flat	13	Grazing	VI	Grazing	Private
		18	NW¼NE¼, NE¼SE¼	80.00	Rough and broken	10	Grazing	VII	Grazing	Private
		27	S½SE¼	80.00	Rolling to rough	16	Grazing	VII	Grazing	Private
		27	NE¼SE¼	40.00	Rolling to rough	18	Grazing	VII	Grazing	Private
		27	NW¼SE¼	40.00	Rolling	11	Grazing	25/VI:15/VII	Grazing	Private
		27	E½SW¼	80.00	Rolling to rough	16	Grazing	VII	Grazing	Private
		27	SW¼NW¼, W½SW¼	120.00	Rough and broken	15	Grazing	VII	Grazing	Private
		28	N½NW¼, SE¼NE¼, NE¼SE¼, SW¼SW¼	200.00	Rough and broken	25	Grazing	VII	Grazing	Private
		28	SW¼NW¼, NE¼SW¼, NW¼SE¼	120.00	Rough and broken		Grazing	VIII	Multiple	Federal
		28	SE¼NW¼	40.00	Rough and broken	2	Grazing	20/VII:20/VIII	Multiple	Federal
		28	NW¼SW¼	40.00	Rough and broken	2	Grazing	20/VII:20/VIII	Multiple	Federal
		28	SW¼SE¼	40.00	Rough and broken	2	Grazing	15/VII:25/VIII	Multiple	Federal
		29	NE¼NE¼	40.00	Rough and broken		Grazing	VIII	Multiple	Federal
		29	SE¼NE¼	40.00	Rough and broken	2	Grazing	20/VII:20/VIII	Multiple	Federal
		29	E½SE¼, SW¼SE¼	120.00	Rough and broken	15	Grazing	VII	Grazing	Private
		32	NW¼NE¼	40.00	Rough and broken	5	Grazing	VII	Grazing	Private
		34	W½NW¼, SE¼NW¼, NW¼SE¼	160.00	Rough and broken	15	Grazing	VII	Grazing	Private
		34	N½NE¼, SE¼NE¼	120.00	Rolling to rough	24	Grazing	VII	Grazing	Private
		34	NE¼NW¼	40.00	Rolling to rough and broken	6	Grazing	VII	Grazing	Private
		34	SW¼NE¼	40.00	Rolling to rough and broken	6	Grazing	VII	Grazing	Private
		34	NE¼SE¼	40.00	Rolling to rough and broken	6	Grazing	VII	Grazing	Private
	71	35	SE¼SW¼	40.00	Rolling	16	Grazing	VII	Grazing	Private
	72	11	NW¼NW¼	40.00	Rolling to broken	8	Grazing	VII	Grazing	Private
		19	Lot 1	35.07	Rolling to rough	7	Grazing	20.07/VI:15/VII	Grazing	Private
	73	3	SW¼NE¼	40.00	Rolling to rough	7	Grazing	10/VI:30/VII	Grazing	Private

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Table 6.- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

WYOMING

6th Principal Meridian-Wyoming Twp. North	Range West	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Campbell County										
51	73	3	SE¼NW¼	40.00	Rolling to rough	9	Grazing	30/VI:10/VII	Grazing	Private
		3	SW¼NW¼	40.00	Rolling to rough	7	Grazing	5/VI:35/VII	Grazing	Private
		4	SE¼NE¼	40.00	Rolling to rough	7	Grazing	VII	Grazing	Private
		4	SW¼NE¼	40.00	Rolling to rough	9	Grazing	30/VI:10/VII	Grazing	Private
		4	NE¼SW¼	40.00	Rolling to rough	10	Grazing	VI	Grazing	Private
		5	S½NE¼, NE¼SE¼	120.00	Rolling to rough	20	Grazing	VII	Grazing	Private
		5	W½SE¼	80.00	Rolling to rough	20	Grazing	VI	Grazing	Private
		6	NE¼SE¼	40.00	Rolling	12	Grazing	30/VI:10/VII	Grazing	Private
		9	SW¼NE¼	40.00	Rolling to rough	8	Grazing	15/VI:25/VII	Grazing	Private
		24	NE¼NE¼	40.00	Rolling to rough	10	Grazing	VI	Grazing	Private
		30	Lot 3	39.85	Rolling	10	Grazing	15/VI:24.85/VII	Grazing	Private
		32	N½SE¼, SW¼SE¼	120.00	Rolling to rough	20	Grazing	VII	Grazing	Private
	74	27	E½NE¼	80.00	Rough	16	Grazing	VII	Grazing	Private
		28	SW¼NE¼, NE¼NW¼	80.00	Rolling	18	Grazing	VI	Grazing	Private
		34	SE¼NE¼	40.00	Rough	8	Grazing	VII	Grazing	Private
52	69	20	SE¼SE¼	40.00	Steep and rough	7	Grazing	VII	Grazing	Private
	70	4	NW¼SE¼	40.00	Flat	13	Grazing	VI	Grazing	Private
		35	NE¼SW¼	40.00	Rolling	8	Grazing	10/VI:30/VII	Grazing	Private
	71	19	NE¼NE¼	40.00	Rolling to rough	8	Grazing	VII	Grazing	Private
		20	S½NW¼	80.00	Rolling to rough	16	Grazing	VII	Grazing	Private
		22	NW¼NE¼	40.00	Rough and broken	5	Grazing	10/VI:30/VII	Grazing	Private
		30	E½NE¼	80.00	Rolling to rough	16	Grazing	VII	Grazing	Private
	73	21	NE¼NW¼	40.00	Sloping to rolling	9	Grazing	10/VI:30/VII	Grazing	Private
		21	NW¼NW¼	40.00	Sloping to rolling	10	Grazing	15/VI:25/VII	Grazing	Private
		29	SW¼SE¼	40.00	Sloping to rolling	12	Grazing	30/VI:10/VII	Grazing	Private
		33	S½S½	160.00	Rolling to steep	25	Grazing	VII	Grazing	Private
	74	4	W½SW¼	80.00	Rough	15	Grazing	VII	Grazing	Private
53	69	10	SW¼NE¼	40.00	Rolling to rough	7	Grazing	VII	Grazing	Private
		13	SE¼SE¼	40.00	Steep and rough	7	Grazing	VII	Grazing	Private

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Table 6 .- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

WYOMING

6th Principal Meridian-Wyoming Twp. North	Range West	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Campbell County										
53	69	15	E½SE¼	80.00	Steep and rough	14	Grazing	VII	Grazing	Private
		18	S½NE¼, NW¼NE¼, NE¼SW¼	160.00	Steep and rough	27	Grazing	VII	Grazing	Private
		22	NE¼NW¼	40.00	Gently rolling	8	Grazing	10/VI:30/VII	Grazing	Private
		22	SE¼NW¼	40.00	Gently rolling	8	Grazing	10/VI:30/VII	Grazing	Private
		22	W½NW¼	80.00	Gently rolling	27	Grazing	VI	Grazing	Private
		30	W½NE¼	80.00	Rolling	27	Grazing	VI	Grazing	Private
	70	2	SW¼NW¼	40.00	Flat to rolling	13	Grazing	VI	Grazing	Private
		6	Lot 4	38.84	Flat to rolling	13	Grazing	VI	Grazing	Private
		8	SE¼SE¼, NW¼SE¼	80.00	Flat	20	Grazing	VI	Grazing	Private
		15	SW¼SE¼, SE¼SW¼	80.00	Flat to rolling	26	Grazing	VI	Grazing	Private
		22	NW¼SE¼	40.00	Flat to rolling	13	Grazing	VI	Grazing	Private
		23	SW¼NE¼	40.00	Rough and rolling to flat	9	Grazing	20/VI:20/VII	Grazing	Private
		23	SE¼NE¼	40.00	Rough to rolling	7	Grazing	VII	Grazing	Private
	71	6	SW¼SE¼	40.00	Rolling and broken to rough	3	Grazing	20/VII:20/VIII	Grazing	Private
	72	1	Lot 1	40.03	Rolling to steep	6	Grazing	VII	Grazing	Private
		1	W½SW¼	80.00	Steep	4	Grazing	VII	Grazing	Private
		4	S½NE¼, SE¼	240.00	Rolling to steep	48	Grazing	VII	Grazing	Private
		6	SE¼NW¼	40.00	Rolling to steep	12	Grazing	20/VI:20/VII	Grazing	Private
		7	NW¼SE¼	40.00	Sloping to steep	8	Grazing	VII	Grazing	Private
		7	NE¼SE¼	40.00	Sloping to steep	15	Grazing	20/VI:20/VII	Grazing	Private
		7	SE¼SE¼	40.00	Sloping to steep	15	Grazing	20/VI:20/VII	Grazing	Private
		9	NE¼, N½SE¼, SE¼SE¼	280.00	Rolling to steep	56	Grazing	VII	Grazing	Private
		10	SW¼NE¼, NE¼NW¼, S½NW¼,SW¼	320.00	Rolling to steep	64	Grazing	VII	Grazing	Private
		12	NE¼NE¼	40.00	Rolling to broken	7	Grazing	20/VI:20/VII	Grazing	Private
		12	NW¼NE¼	40.00	Rolling to broken	6	Grazing	VII	Grazing	Private
		15	N½NW¼	80.00	Rolling to steep	16	Grazing	VII	Grazing	Private
	73	3	SW¼SE¼	40.00	Rolling to steep	9	Grazing	15/VI:25/VII	Grazing	Private
		9	NE¼SE¼	40.00	Rolling to steep	8	Grazing	VII	Grazing	Private
		9	SE¼SE¼	40.00	Rolling to steep	12	Grazing	30/VI:10/VII	Grazing	Private

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Table 6 .- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

WYOMING

6th Principal Meridian-Wyoming Twp. North	Range West	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Campbell County										
53	73	12	SW¼NE¼	40.00	Flat bottom	16	Grazing	VI	Grazing	Private
		13	NW¼NE¼, N½NW¼	120.00	Rolling to steep	20	Grazing	VII	Grazing	Private
		14	SW¼NE¼	40.00	Rolling to steep	7	Grazing	VII	Grazing	Private
		15	NW¼NE¼, NE¼NW¼	80.00	Rolling to steep	16	Grazing	VII	Grazing	Private
	74	1	SE¼SE¼	40.00	Rolling to steep	3	Grazing	20/VII:20/VIII	Grazing	Private
		8	SE¼NW¼	40.00	Rolling to rough	10	Grazing	25/VI:15/VII	Grazing	Private
		8	SE¼SE¼	40.00	Rough	7	Grazing	VII	Grazing	Private
		9	SE¼SW¼	40.00	Rough	7	Grazing	VII	Grazing	Private
		10	N½NW¼	80.00	Rolling to steep	13	Grazing	VII	Grazing	Private
		11	SW¼NE¼	40.00	Rolling to steep	10	Grazing	VI	Grazing	Private
		11	NW¼SE¼	40.00	Rolling to steep	8	Grazing	20/VI:20/VII	Grazing	Private
		11	N½NE¼, SE¼NE¼, NE¼SE¼	160.00	Rolling to steep	27	Grazing	VII	Grazing	Private
		12	NE¼NE¼	40.00	Rolling to steep	3	Grazing	20/VII:20/VIII	Grazing	Private
		12	NE¼SE¼	40.00	Rolling	10	Grazing	VI	Grazing	Private
		12	NW¼SE¼	40.00	Rolling to steep	8	Grazing	20/VI:20/VII	Grazing	Private
		12	S½NE¼	80.00	Rolling to steep	13	Grazing	VII	Grazing	Private
		13	NW¼NE¼	40.00	Rolling to steep	3	Grazing	20/VII:20/VIII	Grazing	Private
		13	NE¼NW¼	40.00	Rolling	9	Grazing	30/VI:10/VII	Grazing	Private
		13	NW¼NW¼	40.00	Rolling to steep	7	Grazing	VII	Grazing	Private
		15	SW¼NW¼	40.00	Rolling	8	Grazing	20/VI:20/VII	Grazing	Private
		15	NW¼SW¼	40.00	Rolling	8	Grazing	20/VI:20/VII	Grazing	Private
		15	SW¼SW¼	40.00	Rolling	8	Grazing	20/VI:20/VII	Grazing	Private
		15	SE¼NW¼, NE¼SW¼	80.00	Rolling to steep	7	Grazing	VII	Grazing	Private
		17	E½NE¼	80.00	Rough	13	Grazing	VII	Grazing	Private
		22	NE¼NE¼	40.00	Rolling to steep	8	Grazing	15/VI:25/VII	Grazing	Private
		26	NE¼NE¼	40.00	Rolling to steep	6	Grazing	15/VI:15/VII: 10/VIII	Grazing	Private
		26	NW¼NE¼	40.00	Rolling to steep	6	Grazing	15/VI:15/VII: 10/VIII	Grazing	Private

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Table 6 .- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

WYOMING

6th Principal Meridian-Wyoming Twp. North	Range West	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Campbell County										
53	76	2	SW¼NW¼	40.00	Rough	4	Grazing	VII	Grazing	Private
54	71	1	Lot 4	39.89	Rolling	10	Grazing	VI	Grazing	Private
		10	NW¼NW¼	40.00	Rolling to broken	5	Grazing	VII	Grazing	Private
	73	2	Lot 1	39.50	Sloping to rolling	10	Grazing	10/VI:29.50/VII	Grazing	Private
		2	NW¼SE¼	40.00	Rolling	10	Grazing	VII	Grazing	Private
		10	NE¼NW¼	40.00	Rolling	10	Grazing	25/VI:15/VII	Grazing	Private
		10	NW¼NW¼	40.00	Rolling to rough	8	Grazing	VII	Grazing	Private
		15	NW¼NW¼	40.00	Sloping to rolling	13	Grazing	VI	Grazing	Private
		17	SW¼NW¼	40.00	Sloping to rolling	9	Grazing	15/VI:25/VII	Grazing	Private
		33	W½NE¼, N½NW¼, N½SE¼	240.00	Sloping to rolling	40	Grazing	VII	Grazing	Private
		35	NW¼SE¼	40.00	Sloping to rolling	10	Grazing	20/VI:20/VII	Grazing	Private
		35	E½SE¼, SW¼SE¼	120.00	Sloping to rolling	20	Grazing	VII	Grazing	Private
	74	4	Lot 3	40.32	Rough	4	Grazing	VII	Grazing	Private
		5	SE¼SE¼	40.00	Rolling	6	Grazing	VI	Grazing	Private
		9	SE¼SE¼	40.00	Rolling to rough	5	Grazing	20/VI:20/VII	Grazing	Private
		15	SE¼SE¼	40.00	Sloping to rolling	9	Grazing	30/VI:10/VII	Grazing	Private
		15	SW¼SE¼	40.00	Sloping to rolling	7	Grazing	VII	Grazing	Private
		17	NW¼SE¼	40.00	Rough	7	Grazing	VII	Grazing	Private
		21	SW¼SW¼	40.00	Rolling	8	Grazing	20/VI:20/VII	Grazing	Private
		21	E½SW¼, NW¼SW¼	120.00	Rolling	20	Grazing	VII	Grazing	Private
	76	1	SE¼SE¼	40.00	Rough	7	Grazing	VII	Grazing	Private
		9	SE¼	160.00	Rough	16	Grazing	VII	Grazing	Private
		12	NE¼SW¼, N½SE¼, SW¼SE¼	160.00	Rough	27	Grazing	VII	Grazing	Private
55	71	1	SW¼NW¼	40.00	Rolling	8	Grazing	VI	Grazing	Private
		2	SW¼NE¼	40.00	Rolling to very steep	4	Grazing	30/VII:10/VIII	Grazing	Private
		2	SE¼NW¼	40.00	Rolling to very steep	4	Grazing	30/VII:10/VIII	Grazing	Private
		2	NE¼SW¼	40.00	Rolling to very steep	5	Grazing	VII	Grazing	Private
		2	NW¼SE¼	40.00	Rolling to very steep	4	Grazing	30/VII:10/VIII	Grazing	Private
		2	SW¼SE¼	40.00	Rolling to very steep	4	Grazing	10/VI:20/VII: 10/VIII	Grazing	Private

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Table 6 .- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

WYOMING

6th Principal Meridian-Wyoming Twp. North Campbell County	Range West	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
55	71	2	SE¼SE¼	40.00	Rolling to very steep	4	Grazing	15/VI:10/VII: 15/VIII	Grazing	Private
		8	NE¼NE¼	40.00	Rolling	7	Grazing	VI	Grazing	Private
		24	NE¼NW¼	40.00	Rolling	9	Grazing	20/VI:20/VII	Grazing	Private
		24	SE¼NW¼	40.00	Rolling	5	Grazing	VII	Grazing	Private
		24	SW¼NE¼	40.00	Rolling	9	Grazing	20/VI:20/VII	Grazing	Private
		24	NW¼SE¼	40.00	Rolling	7	Grazing	10/VI:30/VII	Grazing	Private
		25	SW¼SE¼	40.00	Rolling	10	Grazing	VI	Grazing	Private
		28	NE¼SE¼	40.00	Sloping to broken	7	Grazing	15/VI:25/VII	Grazing	Private
	72	10	SE¼NE¼	40.00	Rolling to rough	10	Grazing	VII	Grazing	Private
		11	NW¼NW¼	40.00	Rolling to rough	10	Grazing	VII	Grazing	Private
		12	W½NE¼	80.00	Rolling to rough	8	Grazing	VII	Grazing	Private
		12	W½SE¼	80.00	Rolling to rough	32	Grazing	VI	Grazing	Private
		22	NE¼NW¼	40.00	Sloping	16	Grazing	VI	Grazing	Private
	74	4	Lot 5	59.92	Rolling to rough	8	Grazing	24.92/VI:35/VII	Grazing	Private
		5	Lot 6	20.33	Rolling to rough	3	Grazing	VII	Grazing	Private
		5	Lot 11, NW¼SW¼	59.49	Rolling to rough	10	Grazing	40/VI:19.49/VII	Grazing	Private
		16	Lot 5	4.56	Rolling to rough	1	Grazing	2/VI:2.56/VII	Grazing	Private
		20	NW¼SE¼	40.00	Rolling	10	Grazing	VI	Grazing	Private
		21	Lot 1	35.44	Rolling to rough	8	Grazing	25/VI:10.44/VII	Grazing	Private
		27	NE¼SW¼	40.00	Rough	7	Grazing	VII	Grazing	Private
	75	5	SE¼NW¼	40.00	Rolling to rough	4	Grazing	10/VI:30/VII	Grazing	Private
		6	NE¼SE¼	40.00	Rolling to rough	5	Grazing	20/VI:20/VII	Grazing	Private
		7	W½NE¼	80.00	Rolling to rough	10	Grazing	40/VI:40/VII	Grazing	Private
		15	N½S½	160.00	Rolling to rough	22	Grazing	40/VI:120/VII	Grazing	Private
		21	NW¼NE¼, NE¼NW¼	80.00	Rolling to rough	9	Grazing	20/VI:60/VII	Recreation	Federal
		26	NW¼NE¼, NE¼NW¼	80.00	Rolling to rough	16	Grazing	20/VI:60/VII	Recreation	Federal
		31	NE¼NE¼	40.00	Rolling to rough	6	Grazing	20/VI:20/VII	Grazing	Private
		34	SE¼SW¼	40.00	Rough	7	Grazing	VII	Grazing	Private

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Table 6 .- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

WYOMING

6th Principal Meridian-Wyoming Twp. North	Range West	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Campbell County										
55	76	25	SW¼SW¼	40.00	Level to rough	5	Grazing	20/VI:20/VII	Grazing	Private
		26	E½NW¼	80.00	Rough	9	Grazing	20/VI:60/VII	Grazing	Private
		35	N½NE¼, NE¼NW¼	120.00	Rough	12	Grazing	VII	Grazing	Private
56	70	20	SW¼SE¼	40.00	Rolling	11	Grazing	VI	Grazing	Private
		29	N½NE¼	80.00	Rolling	22	Grazing	VI	Grazing	Private
		33	S½NW¼	80.00	Rolling	22	Grazing	VII	Grazing	Private
	71	29	NW¼NW¼	40.00	Rolling to steep	7	Grazing	20/VI:20/VII	Grazing	Private
		30	Lot 7	6.18	Rolling	2	Grazing	VI	Grazing	Private
	72	24	SE¼SE¼	40.00	Rolling to steep	6	Grazing	30/VII:10/VIII	Grazing	Private
		24	NE¼SE¼	40.00	Rough	8	Grazing	VII	Grazing	Private
		24	NW¼SE¼	40.00	Rough	4	Grazing	15/VII:25/VIII	Grazing	Private
		24	NE¼SW¼	40.00	Rolling to steep	8	Grazing	VII	Grazing	Private
		25	SE¼NW¼	40.00	Rolling to steep	5	Grazing	25/VII:15/VIII	Grazing	Private
		25	NW¼NW¼	40.00	Rolling to steep	4	Grazing	20/VII:20/VIII	Grazing	Private
		36	Lots 1,2,3	2.95	Rolling to steep	2	Grazing	VII	Grazing	Private
	73	5	Lot 5	36.44	Rough	4	Grazing	VII	Grazing	Private
		8	NE¼NE¼	40.00	Rolling to rough	8	Grazing	20/VI:20/VII	Grazing	Private
		8	SW¼SE¼	40.00	Rolling	11	Grazing	VI	Grazing	Private
		12	Lot 1	41.33	Rolling to steep	6	Grazing	VII	Grazing	Private
		17	SW¼NE¼, E½NW¼	120.00	Rough	12	Grazing	VII	Grazing	Private
		15	W½SW¼	80.00	Rolling	22	Grazing	VI	Grazing	Private
		21	W½NE¼, NW¼SE¼	120.00	Rolling to rough	26	Grazing	80/VI:40/VII	Grazing	Private
		22	E½NW¼	80.00	Rolling	22	Grazing	VI	Grazing	Private
		27	SE¼SE¼	40.00	Rolling	11	Grazing	VI	Grazing	Private
	74	2	Lots 2,3,4,S½NW¼,N½SW¼, W½SE¼, SE¼SE¼	403.79	Rolling to rough	95	Grazing	303.79/VI:100/VII	Grazing	Private
		3	Lots 1,2,3,4	166.27	Rough	17	Grazing	VII	Grazing	Private
		3	SW¼SE¼	40.00	Rolling	11	Grazing	VI	Grazing	Private
		4	Lot 1	42.17	Rough	4	Grazing	VII	Grazing	Private

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Table 6 .- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

WYOMING

6th Principal Meridian-Wyoming										
Twp. North	Range West	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Campbell County										
56	74	9	N½NW¼	80.00	Rough	13	Grazing	VII	Grazing	Private
		10	NW¼NE¼	40.00	Rolling to rough	6	Grazing	10/VI:30/VII	Grazing	Private
		11	SE¼NE¼	40.00	Rolling	11	Grazing	VI	Grazing	Private
		12	NE¼NE¼	40.00	Rough	4	Grazing	VII	Grazing	Private
		13	NE¼SE¼	40.00	Rolling	11	Grazing	VI	Grazing	Private
		17	NW¼NW¼, SE¼NW¼	80.00	Rough	8	Grazing	VII	Grazing	Private
		18	NE¼NE¼, SE¼SE¼	80.00	Rough	8	Grazing	VII	Grazing	Private
		19	W½NE¼	80.00	Rough	8	Grazing	VII	Grazing	Private
		20	N½NW¼	80.00	Rolling to rough	10	Grazing	40/VI:40/VII	Grazing	Private
		20	SE¼NW¼, SW¼NE¼	80.00	Rolling to rough	8	Grazing	VII	Grazing	Private
		20	N½SE¼, SE¼SE¼, SW¼SW¼	160.00	Rough	16	Grazing	VII	Grazing	Private
		21	NE¼NE¼	40.00	Rough	4	Grazing	VII	Grazing	Private
		22	SE¼NE¼, W½NE¼, W½, SE¼	600.00	Rough	60	Grazing	VII	Grazing	Private
		23	NE¼SE¼	40.00	Rough	4	Grazing	VII	Grazing	Private
		27	N½NW¼, SE¼NW¼	120.00	Rough	12	Grazing	VII	Grazing	Private
		28	SE¼NE¼, NE¼SE¼	80.00	Rolling to rough	9	Grazing	40/VI:40/VII	Grazing	Private
		29	E½NE¼	80.00	Rough	8	Grazing	VII	Grazing	Private
		33	N½SE¼	80.00	Rolling to rough	11	Grazing	30/VI:50/VII	Grazing	Private
	75	8	SW¼NW¼	40.00	Rolling to rough	5	Grazing	20/VI:20/VII	Grazing	Private
		15	S½SE¼	80.00	Rough	8	Grazing	VII	Grazing	Private
	76	25	E½NE¼	80.00	Rough	8	Grazing	VII	Grazing	Private
		26	SW¼NW¼	40.00	Rolling	4	Grazing	30/VI:10/VII	Grazing	Private
		26	SE¼SE¼	40.00	Rough	4	Grazing	VII	Grazing	Private
56½	69	33	All	387.43	Rolling	43	Grazing	VII	Grazing	Private
		34	N½SW¼, Lots 1,2,3,4,5, 6,7,8,9	363.74	Rolling	40	Grazing	VII	Grazing	Private
		35	Lots 3,4	78.14	Rolling	8	Grazing	VII	Grazing	Private
57	69	2	Lot 6	39.70	Rough	8	Grazing	VII	Grazing	Private
		17	Lot 4	34.28	Gently rolling	15	Grazing	VI	Grazing	Private

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Table 6 .- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

WYOMING

6th Principal Meridian-Wyoming Twp. North	Range West	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Campbell County										
57	69	28	Lot 6	23.82	Gently sloping	12	Grazing	VI	Grazing	Private
		28	Lot 5	2.53	Gently sloping	1	Grazing	VI	Grazing	Private
	71	1	Lots 5,6,9	11.69	Rolling	4	Grazing	VI	Grazing	Private
		3	Lot 8	39.95	Rolling	16	Grazing	VI	Grazing	Private
		4	Lot 8	39.97	Rolling to steep	15	Grazing	29.97/VI:10/VII	Grazing	Private
		4	SW¼NW¼	40.00	Rolling to steep	14	Grazing	10/VI:30/VII	Grazing	Private
		5	Lots 5,6	80.07	Rolling to steep	20	Grazing	VII	Grazing	Private
		5	SE¼NE¼	40.00	Rolling to steep	8	Grazing	30/VII:10/VIII	Grazing	Private
		5	SW¼NE¼	40.00	Steep		Watershed, Wildlife	VIII	Watershed, Wildlife	Federal
		5	SE¼NW¼	40.00	Steep		Watershed, Wildlife	VIII	Watershed, Wildlife	Federal
		5	NW¼SE¼	40.00	Steep		Watershed, Wildlife	VIII	Watershed, Wildlife	Federal
		5	Lot 7	40.15	Rolling to steep	7	Grazing	20.15/VII:20/VIII	Grazing	Private
		5	SW¼SE¼	40.00	Rolling to steep	7	Grazing	20/VII:20/VIII	Grazing	Private
		5	SE¼SW¼	40.00	Rolling to steep	7	Grazing	20/VII:20/VIII	Grazing	Private
		5	Lot 8, SW¼NW¼, E½SE¼, W½SW¼, NE¼SW¼	280.22	Rolling to steep	70	Grazing	VII	Grazing	Private
		6	Lot 10	36.25	Rolling to steep	7	Grazing	21.25/VII:15/VIII	Grazing	Private
		6	Lot 11	36.29	Rolling to steep	8	Grazing	16.29/VI:10/VII: 10/VIII	Grazing	Private
		8	NW¼NW¼	40.00	Rolling	13	Grazing	25/VI:15/VII	Grazing	Private
		8	NE¼NW¼	40.00	Rolling	13	Grazing	15/VI:25/VII	Grazing	Private
		10	SW¼SE¼	40.00	Rolling	16	Grazing	VI	Grazing	Private
		13	Lot 3	43.60	Rolling	7	Grazing	VII	Grazing	Private
		27	E½SE¼	80.00	Rolling	32	Grazing	VI	Grazing	Private
		34	SE¼NW¼	40.00	Rolling to rough	7	Grazing	VII	Grazing	Private
		35	Tract 46-D	40.01	Flat bottom	10	Grazing	VI	Grazing	Private

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Table 6.- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

WYOMING

6th Principal Meridian-Wyoming Twp. North	Range West	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Campbell County										
57	72	1	Lot 6	42.16	Rolling to steep	6	Grazing	37.16/VII:5/VIII	Grazing	Private
		1	NW¼SW¼	40.00	Rolling to steep	5	Grazing	35/VII:5/VIII	Grazing	Private
		1	SW¼SW¼	40.00	Sloping to steep	8	Grazing	15/VI:20/VII: 5/VIII	Grazing	Private
		1	E½SW¼	80.00	Rolling to steep	7	Grazing	VII	Grazing	Private
		2	NE¼SE¼	40.00	Rolling to steep	6	Grazing	35/VII:5/VIII	Grazing	Private
		2	NW¼SE¼	40.00	Rolling to steep	8	Grazing	VII	Grazing	Private
		2	SW¼SE¼	40.00	Rolling to steep	9	Grazing	15/VI:25/VII	Grazing	Private
		2	SE¼SE¼	40.00	Rolling to steep	8	Grazing	15/VI:25/VII	Grazing	Private
		2	SE¼SW¼	40.00	Rolling to steep	9	Grazing	10/VI:30/VII	Grazing	Private
		7	Lot 6	37.22	Rolling to steep	5	Grazing	30/VII:7.22/VIII	Grazing	Private
		7	Lot 7	37.42	Rolling to steep	7	Grazing	VII	Grazing	Private
		11	NE¼, E½NW¼, NE¼SW¼, SE¼	440.00	Sloping to rolling	176	Grazing	VI	Grazing	Private
		12	W½W½, SE¼SW¼, SW¼SE¼	240.00	Sloping to rolling	96	Grazing	VI	Grazing	Private
		12	NE¼SW¼	40.00	Sloping to steep	9	Grazing	10/VI:30/VII	Grazing	Private
		12	NW¼SE¼, E½NW¼	120.00	Sloping to steep	20	Grazing	VII	Grazing	Private
		12	SW¼NE¼	40.00	Sloping to steep	6	Grazing	35/VII:5/VIII	Grazing	Private
		12	NW¼NE¼	40.00	Sloping to steep	2	Grazing	35/VII:5/VIII	Grazing	Private
		13	NW¼	160.00	Sloping to rolling	64	Grazing	VI	Grazing	Private
		15	SE¼SE¼	40.00	Sloping to steep	10	Grazing	15/VI:25/VII	Grazing	Private
		16	Lot 5	11.31	Rolling	2	Grazing	VII	Grazing	Private
		18	Lot 8	38.91	Rolling to steep	4	Grazing	VII	Grazing	Private
		18	W½SE¼	80.00	Rolling to steep	12	Grazing	VII	Grazing	Private
		19	NW¼NE¼, SE¼NE¼	80.00	Rolling to steep	13	Grazing	VII	Grazing	Private
		19	NE¼NE¼	40.00	Rolling to steep	5	Grazing	30/VII:10/VIII	Grazing	Private
		20	W½NW¼, NE¼NW¼	120.00	Rolling to steep	16	Grazing	VII	Grazing	Private
		21	Lot 1	35.94	Rolling to steep	11	Grazing	18/VI:17.94/VII	Grazing	Private
		21	Lot 3	4.24	Rolling to steep	1	Grazing	VII	Grazing	Private
		26	NW¼SW¼	40.00	Rolling to steep	2	Grazing	VII	Grazing	Private

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Table 6 .- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

WYOMING

6th Principal Meridian-Wyoming Twp. North	Range West	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Campbell County										
57	72	28	Lot 2	.43	Rolling to steep	1	Grazing	VII	Grazing	Private
		29	Lot 2	39.38	Rolling to steep	9	Grazing	19.38/VI:20/VII	Grazing	Private
		29	NE¼SW¼	40.00	Rolling to steep	10	Grazing	30/VI:10/VII	Grazing	Private
		29	S½SW¼	80.00	Rolling to steep	8	Grazing	VII	Grazing	Private
		30	Lot 10	39.38	Rolling to steep	6	Grazing	30/VII:9.38/VIII	Grazing	Private
		30	SE¼SE¼	40.00	Rolling to steep	4	Grazing	VII	Grazing	Private
		32	NE¼NW¼, Lot 1	43.08	Rolling to steep	7	Grazing	VII	Grazing	Private
		33	Lot 3	36.68	Sloping	12	Grazing	VI	Grazing	Private
		34	Lot 2	26.67	Sloping to rough	5	Grazing	6.67/VI:20/VII	Grazing	Private
		34	SE¼SW¼	40.00	Rolling to rough	13	Grazing	20/VI:20/VII	Grazing	Private
		34	NE¼SW¼	40.00	Rolling	13	Grazing	VI	Grazing	Private
	73	3	Lot 8	38.69	Rolling to steep	8	Grazing	10/VI:28.69/VII	Grazing	Private
		3	SW¼NW¼	40.00	Rolling to steep	14	Grazing	30/VI:10/VII	Grazing	Private
		4	SE¼NE¼	40.00	Rolling	16	Grazing	VI	Grazing	Private
		7	Lot 8	39.27	Rough	7	Grazing	VII	Grazing	Private
		9	E½SW¼	80.00	Rough	15	Grazing	VII	Grazing	Private
		18	Lot 5	39.34	Rough	7	Grazing	VII	Grazing	Private
		22	NE¼NW¼	40.00	Rolling	16	Grazing	VI	Grazing	Private
		22	NW¼NW¼	40.00	Rolling to rough	15	Grazing	35/VI:5/VII	Grazing	Private
		22	SW¼NW¼	40.00	Rolling to rough	9	Grazing	5/VI:35/VII	Grazing	Private
		22	SE¼NW¼	40.00	Rolling to rough	13	Grazing	25/VI:15/VII	Grazing	Private
		22	N½SW¼	80.00	Rolling to rough	16	Grazing	VII	Grazing	Private
		25	SE¼NW¼	40.00	Rolling to rough	11	Grazing	15/VI:25/VII	Grazing	Private
		28	NE¼SW¼	40.00	Rough	4	Grazing	VII	Grazing	Private
		30	Lot 12	6.06	Rolling	2	Grazing	VI	Grazing	Private
		32	Lot 12	13.41	Rough	1	Grazing	VII	Grazing	Private
	74	4	SW¼NW¼	40.00	Rough	4	Grazing	VII	Grazing	Private
		5	SE¼SE¼, Lot 13	59.13	Rough	6	Grazing	VII	Grazing	Private
		7	E½NW¼	80.00	Rough	13	Grazing	VII	Grazing	Private

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Table 6 .- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

WYOMING

6th Principal Meridian-Wyoming Twp. North	Range West	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
57	74	8	Lot 1	38.57	Rough	4	Grazing	8.57/VI:30/VII	Grazing	Private
		14	S½NW¼, NW¼SW¼	120.00	Rough	12	Grazing	VII	Grazing	Private
		15	NE¼, NE¼SE¼	200.00	Rough	20	Grazing	VII	Grazing	Private
		17	Lots 1,2, NW¼NW¼	80.49	Rough	13	Grazing	VII	Grazing	Private
		18	NE¼NE¼	40.00	Rough	7	Grazing	VII	Grazing	Private
		23	SE¼NW¼, Lot 2	66.07	Rolling	10	Grazing	VI	Grazing	Private
		27	Lot 6	23.85	Rolling	7	Grazing	VI	Grazing	Private
		27	Lot 7	48.85	Rolling to rough	7	Grazing	10/VI:38.85/VII	Grazing	Private
		31	Lots 7,8,14	120.00	Rough	12	Grazing	VII	Grazing	Private
		32	Lots 9,10,11,12	205.68	Rough	21	Grazing	VII	Grazing	Private
		33	Lot 9	44.18	Rolling	7	Grazing	VI	Grazing	Private
		34	Lot 1, NE¼NE¼	56.73	Rough	6	Grazing	VII	Grazing	Private
		34	Lot 2	27.78	Rolling to rough	4	Grazing	20/VI:7.78/VII	Grazing	Private
		35	SW¼NW¼, Lots 9,10	77.76	Rough	4	Grazing	VII	Grazing	Private
58	68	19	Lots 5,6,7	36.66	Rolling to rough	7	Grazing	VII	Grazing	Private
	69	20	Lot 8	39.98	Rough	8	Grazing	VII	Grazing	Private
		22	Lot 7	2.31	Rolling to rough		Grazing	VII	Grazing	Private
		24	Lot 7	14.68	Rolling to rough	3	Grazing	VII	Grazing	Private
		27	Lot 1	3.72	Rolling	1	Grazing	VII	Grazing	Private
		30	Lots 9,10	74.76	Rolling	28	Grazing	VI	Grazing	Private
	70	25	Lot 6	27.74	Rolling	12	Grazing	VI	Grazing	Private
	72	19	Lot 11	37.25	Rough to steep	4	Grazing	VII	Grazing	Private
		28	NE¼SE¼	40.00	Rough to steep	3	Grazing	30/VII:10/VIII	Grazing	Private
		28	NW¼SE¼	40.00	Rough to steep	4	Grazing	35/VII:5/VIII	Grazing	Private
		30	Lot 5	35.66	Rolling to steep	9	Grazing	25.66/VI:10/VII	Grazing	Private
	73	21	SE¼SE¼	40.00	Rolling	12	Grazing	25/VI:15/VII	Grazing	Private
		21	SW¼SE¼	40.00	Rolling	10	Grazing	15/VI:25/VII	Grazing	Private
		21	Lot 6	44.14	Rolling	11	Grazing	14.14/VI:30/VII	Grazing	Private
		21	NW¼SW¼	40.00	Rolling to rough	7	Grazing	10/VI:20/VII: 10/VIII	Grazing	Private

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Table 6 .- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

WYOMING

6th Principal Meridian-Wyoming Twp. North	Range West	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Campbell County										
58	73	22	Lot 3	44.56	Rolling to rough	6	Grazing	39.56/VII:5/VIII	Grazing	Private
		27	NW¼NE¼	40.00	Rolling to steep	12	Grazing	25/VI:15/VII	Grazing	Private
		27	NE¼NW¼	40.00	Rolling to steep	9	Grazing	10/VI:30/VII	Grazing	Private
		27	SE¼NW¼	40.00	Rolling	16	Grazing	VI	Grazing	Private
		28	NW¼NW¼	40.00	Rolling to steep	9	Grazing	10/VI:30/VII	Grazing	Private
		31	Lot 5	34.67	Rolling	11	Grazing	VI	Grazing	Private
		31	Lots 6, 13	81.69	Rolling to steep	14	Grazing	VII	Grazing	Private
		32	NW¼NE¼	40.00	Rolling to rough	11	Grazing	20/VI:20/VII	Grazing	Private
		32	NE¼NW¼	40.00	Rolling to rough	10	Grazing	15/VI:25/VII	Grazing	Private
		32	NW¼NW¼	40.00	Rolling to rough	12	Grazing	25/VI:15/VII	Grazing	Private
		32	Lot 6	14.86	Flat to rolling		Cultivation	V	Cultivation	Private
		32	Lot 7	14.86	Flat to rolling	6	Grazing	V	Cultivation	Private
	74	26	W½SE¼	80.00	Rolling to rough	13	Grazing	VII	Grazing	Private
		32	SW¼NE¼	40.00	Rough	4	Grazing	VII	Grazing	Private
Converse County										
41	76	29	SE¼, E½SW¼	240.00	Broken	17	Grazing	VII	Grazing	Private
Johnson County										
41	76	6	Lot 5	38.59	Rolling	9	Grazing	VI	Grazing	Private
		6	Lot 6	38.67	Rolling	7	Grazing	VI	Grazing	Private
		6	Lot 7	38.74	Rolling	6	Grazing	VI	Grazing	Private
	77	2	S½SE¼	80.00	Rolling	11	Grazing	VI	Grazing	Private
		4	SW¼NW¼	40.00	Rough	6	Grazing	VII	Grazing	Private
		11	N½NE¼	80.00	Rolling	11	Grazing	VI	Grazing	Private
		13	SW¼SW¼	40.00	Rolling to rough	5	Grazing	15/VI:25/VII	Grazing	Private
		14	SW¼NE¼, S½	360.00	Rolling to rough	39	Grazing	VII	Grazing	Private

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Table 6.- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

WYOMING

6th Principal Meridian-Wyoming										
Twp. North	Range West	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Johnson County										
41	77	24	SE¼SW¼	40.00	Rough	4	Grazing	VII	Grazing	Private
		30	Lot 1	40.82	Rough and broken	3	Grazing	VII	Grazing	Private
42	76	31	Lot 3	38.26	Rolling	8	Grazing	VI	Grazing	Private
		19	Lots 1,2, SE¼NW¼, NE¼SW¼	156.31	Rolling	31	Grazing	VI	Multiple 3/	Federal
	77	2	W½SE¼	80.00	Rolling	16	Grazing	VI	Grazing	Private
		12	E½SE¼	80.00	Rolling	16	Grazing	VI	Grazing	Private
		13	E½	320.00	Rolling	68	Grazing	300/VI:20/VII	Grazing	Private
		14	W½SW¼	80.00	Rolling	10	Grazing	VI	Grazing	Private
		17	E½E½, SE¼SW¼, SW¼SE¼	240.00	Rolling	55	Grazing	VI	Grazing	Private
		22	E½SW¼, SE¼	240.00	Rolling	33	Grazing	VI	Multiple 3/	Federal
		23	W½	320.00	Rolling	40	Grazing	VI	Multiple 3/	Federal
		24	NE¼	160.00	Rolling	32	Grazing	VI	Multiple 3/	Federal
		27	S½	320.00	Rolling	45	Grazing	VI	Multiple 3/	Federal
		32	SE¼NE¼	40.00	Rolling to rough	6	Grazing	VII	Grazing	Private
		34	N½	320.00	Rolling	46	Grazing	VI	Grazing	Private
	85	1	Lots 1,2,3	119.77	Mountainous	20	Grazing	VII	Grazing	Private
		1	SW¼NW¼	40.00	Mountainous	13	Grazing	VII	Grazing	Private
		2	NE¼SE¼	40.00	Mountainous	5	Grazing	VII	Grazing	Private
		3	Lot 2	39.54	Mountainous	12	Grazing	VII	Grazing	Private
		4	SW¼NE¼, SE¼SE¼	80.00	Mountainous	24	Grazing	VII	Grazing	Private
		4	Lots 2,3, S¼NW¼, SW¼	319.09	Mountainous	90	Grazing	VII	Grazing	Private
		5	Lots 1,2,3,4, S½NE¼	238.69	Mountainous	58	Grazing	VII	Grazing	Private
43	76	30	SE¼NE¼	40.00	Rolling	8	Grazing	VII	Grazing	Private
	77	6	Lot 1	40.25	Rolling	4	Grazing	VII	Grazing	Private
		6	Lots 6,7, E½SW¼, SE¼	323.46	Rolling	35	Grazing	VII	Grazing	Private
		7	E½	320.00	Rolling	36	Grazing	VII	Grazing	Private
		8	S½S½	160.00	Rolling	31	Grazing	145/VI:15/VII	Grazing	Private
		17	N½N½	160.00	Rolling	31	Grazing	150/VI:10/VII	Grazing	Private
		23	SE¼NE¼, NE¼SE¼	80.00	Rolling	16	Grazing	VI	Grazing	Private

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Table 6.- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

WYOMING

6th Principal Meridian-Wyoming Twp. North	Range West	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Johnson County										
43	77	24	NW¼SW¼, SW¼NW¼	80.00	Rolling	16	Grazing	VI	Grazing	Private
		26	W½SW¼, SE¼SW¼	120.00	Rolling	24	Grazing	VI	Grazing	Private
		27	NE¼SE¼	40.00	Rolling	8	Grazing	VI	Grazing	Private
		34	N½SW¼	80.00	Rolling	16	Grazing	VI	Grazing	Private
	78	3	SE¼NW¼, SW¼	200.00	Rolling to rough	18	Grazing	70/VI:130/VII	Multiple	Federal
		4	SE¼	160.00	Rolling to rough	14	Grazing	25/VI:135/VII	Multiple	Federal
		10	E½W½, NW¼NW¼	200.00	Rolling to rough	17	Grazing	VII	Multiple	Federal
		12	W½	320.00	Rough	36	Grazing	VII	Grazing	Private
		15	NE¼NW¼	40.00	Rough	3	Grazing	VII	Multiple	Federal
		15	NW¼NW¼, S½NW¼, SW¼	280.00	Rough	23	Grazing	VII	Multiple	Federal
		21	N½N½, SE¼NE¼	200.00	Rough and broken	17	Grazing	VII	Multiple	Federal
		20	NE¼NE¼, SW¼SE¼	80.00	Rough and broken	7	Grazing	VII	Multiple	Federal
		22	NW¼	160.00	Rough and broken	14	Grazing	VII	Multiple	Federal
		28	All	640.00	Rolling to rough	66	Grazing	260/VI:380/VII	Multiple	Federal
		29	NE¼SE¼	40.00	Rolling to rough	5	Grazing	VI	Multiple	Federal
		29	NW¼NE¼	40.00	Rough and broken	4	Grazing	VII	Multiple	Federal
		30	Lots 1,2, E½NW¼, NE¼	308.16	Rolling to rough	33	Grazing	120/VI:188.16/VII	Multiple	Federal
		31	Lots 3,4, E½SW¼	149.00	Steep and broken		Wildlife	VIII	Wildlife	Federal
		32	W½NW¼	80.00	Steep to rough	5	Grazing	50/VII:30/VIII	Multiple	Federal
	79	19	Lot 4, SE¼SW¼	73.34	Rolling to steep	7	Grazing	40/VI:33.34/VII	Grazing	Private
		19	NE¼SE¼	40.00	Rolling	5	Grazing	VI	Grazing	Private
		20	SW¼NW¼, NW¼SW¼	80.00	Rolling	10	Grazing	VI	Grazing	Private
		20	S½NE¼	80.00	Rolling to rough	9	Grazing	40/VI:40/VII	Grazing	Private
		21	S½NW¼	80.00	Rough	8	Grazing	VII	Grazing	Private
		21	S½SW¼	80.00	Rolling to rough	9	Grazing	20/VI:60/VII	Grazing	Private
		23	NE¼NW¼	40.00	Rolling	5	Grazing	VI	Grazing	Private
		25	SW¼	160.00	Steep and broken	9	Grazing	VII	Multiple	Federal
		27	NE¼SW¼, S½SW¼, SE¼	280.00	Steep and broken	14	Grazing	VII	Multiple	Federal
		30	Lot 1, NE¼NW¼	73.46	Rolling to steep and broken	7	Grazing	40/VI:33.46/VII	Grazing	Private

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Table 6.- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

WYOMING

6th Principal Meridian-Wyoming Twp. North	Range West	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Johnson County										
43	85	4	SW¼NE¼, NW¼SE¼	80.00	Mountainous	4	Grazing	70/VII:10/VIII	Grazing	Private
		5	Lots 1,2	81.10	Mountainous		Grazing	VIII	Watershed	Private
		8	N½NE¼, SE¼NE¼	120.00	Mountainous	6	Grazing	90/VII:30/VIII	Grazing	Private
		17	W½NW¼, N½SW¼	160.00	Mountainous	8	Grazing	VII	Grazing	Private
		20	NW¼NE¼	40.00	Mountainous	3	Grazing	VII	Grazing	Private
		21	E½NE¼	80.00	Mountainous	5	Grazing	VII	Grazing	Private
		22	N½N½, SW¼SE¼, S½NW¼	280.00	Mountainous	20	Grazing	VII	Grazing	Private
		22	SW¼SW¼	40.00	Mountainous	3	Grazing	VII	Grazing	Private
		27	NW¼NE¼	40.00	Mountainous	7	Grazing	VII	Grazing	Private
		27	NW¼NW¼	40.00	Mountainous	3	Grazing	VII	Grazing	Private
		34	SE¼SW¼, SW¼SE¼	80.00	Mountainous	23	Grazing	VII	Grazing	Private
		35	N½SW¼	80.00	Mountainous	23	Grazing	VII	Grazing	Private
44	77	19	NE¼SE¼	40.00	Rolling to steep and broken	4	Grazing	VII	Grazing	Private
		30	SE¼NE¼	40.00	Rolling to steep and broken	4	Grazing	VII	Grazing	Private
		30	Lots 3,4, E½SW¼	162.79	Rolling to steep and broken	13	Grazing	82.79/VI:80/VII	Multiple	Federal
	78	21	E½E½	160.00	Steep and rough	16	Grazing	VII	Grazing	Private
		23	SE¼NW¼	40.00	Rolling	10	Grazing	VI	Grazing	Private
		25	N½NW¼, SW¼NW¼	120.00	Rolling	24	Grazing	VI	Grazing	Private
		25	SE¼	160.00	Rolling to steep	16	Grazing	40/VI:120/VII	Multiple	Federal
		28	N½N½	160.00	Rolling to steep	16	Grazing	VII	Grazing	Private
		29	NE¼NE¼	40.00	Rolling	5	Grazing	VI	Grazing	Private
		30	Lot 1	30.30	Rolling to rough	5	Grazing	15.30/VI:15/VII	Grazing	Private
	79	4	Lots 1,2	64.46	Rough	6	Grazing	VII	Grazing	Private
		6	Lots 4,5,6,7	108.45	Rolling	14	Grazing	VI	Grazing	Private
	81	9	SW¼SE¼, SE¼SW¼	80.00	Rolling to steep	9	Grazing	55/VI:25/VII	Grazing	Private
		14	W½SW¼	80.00	Rolling to steep	8	Grazing	25/VI:55/VII	Grazing	Private
		15	SW¼NW¼	40.00	Rolling to steep	4	Grazing	25/VI:15/VII	Grazing	Private
		17	NW¼, NE¼SW¼	200.00	Flat to rolling	32	Grazing	VI	Grazing	Private
		18	E½NE¼	80.00	Level to rolling	30	Grazing	10/V:70/VI	Grazing	Private

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Table 6.- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

WYOMING

6th Principal Meridian-Wyoming Twp. North	Range West	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Johnson County										
44	81	18	Lots 3,4	76.79	Rolling	19	Grazing	VI	Grazing	Private
		20	SE¼SW¼	40.00	Rolling to rough	6	Grazing	20/VI:20/VII	Grazing	Private
		21	SE¼NE¼	40.00	Rolling to rough	5	Grazing	VI	Grazing	Private
		22	NE¼, N½NW¼, E½SE¼	320.00	Rolling to rough	32	Grazing	10/VI:310/VII	Grazing	Private
		23	W½W½	160.00	Rolling to rough	16	Grazing	VII	Grazing	Private
		25	W½W½, NE¼SW¼	200.00	Rolling to rough	21	Grazing	65/VI:135/VII	Grazing	Private
		26	E½	320.00	Rolling to rough	32	Grazing	VII	Grazing	Private
		29	E½NW¼, NW¼SE¼	120.00	Rolling to rough	12	Grazing	VII	Grazing	Private
		30	Lots 3,4	78.89	Rolling to rough	13	Grazing	28.89/VI:50/VII	Grazing	Private
		31	E½NE¼	80.00	Rolling to rough	9	Grazing	VII	Grazing	Private
		32	W½NW¼	80.00	Rolling to rough	9	Grazing	VII	Grazing	Private
		33	SE¼SW¼	40.00	Rolling to rough	4	Grazing	VII	Grazing	Private
	85	6	Lots 2,3,S½NE¼, SE¼NW¼, E½SW¼, W½SE¼, NE¼SE¼	409.84	Mountainous	60	Stock-driveway	VII	Stock-driveway	Federal
		7	NE¼SE¼, S½SE¼, SE¼SW¼	160.00	Mountainous	30	Stock-driveway	VII	Stock-driveway	Federal
		18	N½NE¼, NE¼NW¼	120.00	Mountainous	15	Stock-driveway	60/VI:60/VII	Stock-driveway	Federal
		18	Lots 2,3,4	98.78	Mountainous	6	Stock-driveway	VII	Stock-driveway	Federal
		32	SE¼SE¼	40.00	Mountainous		Watershed	VIII	Watershed	Private
		33	N½SW¼	80.00	Mountainous		Watershed	VIII	Watershed	Private
		33	NE¼SE¼	40.00	Mountainous	1	Grazing	20/VII:20/VIII	Grazing	Private
45	78	5	Lot 1, SE¼NE¼	81.11	Rolling to rough	8	Grazing	VII	Grazing	Private
		9	SW¼SE¼	40.00	Rolling to rough	5	Grazing	30/VI:10/VII	Grazing	Private
		26	SE¼SW¼	40.00	Rolling to rough	4	Grazing	VII	Grazing	Private
	79	3	SW¼, W½SE¼, SE¼SE¼	280.00	Rolling to rough	28	Grazing	VII	Grazing	Private

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Table 6.- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

WYOMING

6th Principal Meridian-Wyoming Twp. North	Range West	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Johnson County										
45	79	4	SE¼NW¼	40.00	Rolling to rough	4	Grazing	VII	Grazing	Private
		12	SW¼NE¼	40.00	Rolling to rough	4	Grazing	VII	Grazing	Private
		30	NE¼	160.00	Rolling to rough	16	Grazing	VII	Grazing	Private
	80	5	SE¼NW¼, E½SW¼, W½SE¼	200.00	Rolling	29	Grazing	VI	Grazing	Private
		7	Lot 1, SE¼SE¼	83.44	Rolling	12	Grazing	VI	Grazing	Private
	81	3	S½NW¼, NW¼SW¼	120.00	Rolling	24	Grazing	VI	Grazing	Private
		7	Lot 1	37.87	Rolling	9	Grazing	VI	Grazing	Private
		8	SE¼, S½NE¼, E½W½	400.00	Rolling to rough	44	Grazing	40/VI:360/VII	Grazing	Private
		17	N½NE¼, NE¼NW¼	120.00	Rolling to rough	17	Grazing	50/VI:70/VII	Grazing	Private
		21	SW¼SW¼	40.00	Rolling to rough	7	Grazing	25/VI:15/VII	Grazing	Private
		28	SE¼	160.00	Rolling to rough	16	Grazing	VII	Grazing	Private
		29	SW¼SE¼	40.00	Rolling	10	Grazing	VI	Grazing	Private
		33	SE¼NE¼	40.00	Rough	4	Grazing	VII	Grazing	Private
	82	2	N½SW¼, W½SE¼	160.00	Rolling	40	Grazing	VI	Grazing	Private
		13	NE¼NE¼	40.00	Rolling	10	Grazing	VI	Grazing	Private
		23	NW¼NW¼	40.00	Rolling	10	Grazing	VI	Grazing	Private
		25	NE¼NE¼	40.00	Rolling	10	Grazing	VI	Grazing	Private
	85	1	Lots 1,2,3,4	159.34	Mountainous	10	Stock-driveway	VII	Stock-driveway	Federal
		2	Lot 1	39.76	Steeply rolling	7	Grazing	VII	Multiple	Federal
		3	S½SW¼, SW¼SE¼	120.00	Mountainous	13	Grazing	VII	Grazing	Private
		4	N½SW¼, SW¼SW¼	120.00	Mountainous	3	Grazing	VII	Grazing	Private
		5	SE¼SE¼	40.00	Mountainous	2	Grazing	VII	Grazing	Private
		9	NE¼NE¼	40.00	Mountainous	2	Grazing	VII	Grazing	Private
		10	NE¼NW¼	40.00	Mountainous	2	Grazing	VII	Grazing	Private
		12	W½SE¼	80.00	Mountainous	2	Grazing	VII	Grazing	Private
		13	SE¼NE¼	40.00	Mountainous	2	Grazing	VII	Grazing	Private
		15	SE¼NE¼, E½SE¼	120.00	Mountainous	19	Grazing	VII	Grazing	Private

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Table 6 .- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

WYOMING

6th Principal Meridian-Wyoming Twp. North Johnson County	Range West	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
45	85	15	NW¼NE¼	40.00	Mountainous	2	Grazing	VII	Grazing	Private
		15	W½SW¼	80.00	Mountainous	2	Grazing	VII	Grazing	Private
		20	NW¼NW¼	40.00	Mountainous	7	Grazing	VII	Grazing	Private
		23	NE¼SE¼	40.00	Mountainous	4	Grazing	20/VI:20/VII	Grazing	Private
		24	NW¼SW¼	40.00	Mountainous	3	Grazing	20/VI:20/VII	Grazing	Private
		25	W½W½	160.00	Mountainous	20	Grazing	VII	Grazing	Private
		26	NE¼	160.00	Mountainous	13	Grazing	VII	Grazing	Private
		33	SW¼SW¼	40.00	Mountainous	3	Grazing	VII	Grazing	Private
		34	SE¼NE¼	40.00	Mountainous	3	Grazing	VII	Grazing	Private
		35	W½SW¼	80.00	Mountainous	3	Grazing	VII	Grazing	Private
		35	E½E½	160.00	Mountainous	9	Grazing	VII	Grazing	Private
46	79	1	Lots 1,2,3,4, S½N½	319.12	Rough	32	Grazing	VII	Grazing	Private
		3	Lots 1,2, S½NE¼, SE¼	319.47	Rough	32	Grazing	VII	Grazing	Private
		11	NE¼	160.00	Rough	16	Grazing	VII	Grazing	Private
	80	35	NW¼NW¼	40.00	Rough	4	Grazing	VII	Grazing	Private
	81	4	Lot 2	38.49	Rolling	8	Grazing	VII	Grazing	Private
		10	SW¼NW¼	40.00	Rolling to rough	8	Grazing	VII	Grazing	Private
	82	4	SW¼SE¼	40.00	Rolling	10	Grazing	VI	Grazing	Private
		7	N½SE¼	80.00	Rough	8	Grazing	VII	Grazing	Private
		8	NW¼SW¼	40.00	Rough	4	Grazing	VII	Grazing	Private
		8	SW¼SE¼	40.00	Rolling to rough	5	Grazing	10/VI:30/VII	Grazing	Private
	84	3	Lot 1, SE¼NE¼, NE¼SE¼	120.58	Mountainous		Watershed	VIII	Watershed	Private
		3	SW¼SW¼	40.00	Mountainous	10	Grazing	VI	Grazing	Private
		4	SE¼NE¼, NE¼SE¼, S½S½	240.00	Mountainous	25	Grazing	100/VI:140/VIII	Grazing	Private
		5	NE¼SE¼, S½S½, NW¼SW¼	240.00	Mountainous	17	Grazing	70/VI:170/VIII	Grazing	Private
		6	Lot 8	36.21	Mountainous		Watershed	VI	Watershed	Private
		6	Lot 9, N½SE¼	117.65	Mountainous		Watershed	VIII	Watershed	Private
		6	NE¼SW¼	40.00	Mountainous	5	Grazing	VII	Grazing	Private
		8	N½N½	160.00	Mountainous		Watershed	VIII	Watershed	Private

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Table 6.- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

WYOMING

6th Principal Meridian-Wyoming Twp. North	Range West	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Johnson County										
46	84	9	E½, E½W½, NW¼NW¼	520.00	Mountainous		Watershed	110/VII:410/VIII	Watershed	Private
		10	SW¼NW¼, SW¼	200.00	Mountainous	6	Grazing	100/VII:100/VIII	Grazing	Private
	85	3	S½NE¼	80.00	Mountainous	8	Grazing	VII	Grazing	Private
		9	E½NE¼	80.00	Mountainous	16	Stock-driveway	60/VI:20/VII	Stock-driveway	Federal
		10	SW¼NW¼, SW¼	200.00	Mountainous	37	Stock-driveway	150/VI:50/VII	Stock-driveway	Federal
		15	W½	320.00	Mountainous	40	Stock-driveway	VII	Stock-driveway	Federal
		17	NE¼NE¼, S½NE¼, SE¼	280.00	Mountainous	10	Grazing	VII	Grazing	Private
		21	NW¼NE¼, N½NW¼	120.00	Mountainous	14	Grazing	20/VI:100/VII	Grazing	Private
		22	W½E½,NE¼NW¼	200.00	Mountainous	23	Stock-driveway	60/VI:140/VII	Stock-driveway	Federal
		26	All	640.00	Mountainous	107	Stock-driveway	240/VI:400/VII	Stock-driveway	Federal
		27	E½SE¼	80.00	Mountainous	7	Stock-driveway	10/VI:70/VII	Stock-driveway	Federal
		27	NE¼NE¼, W½NE¼, E½NW¼	200.00	Mountainous	28	Stock-driveway	70/VI:130/VII	Stock-driveway	Federal
		28	SE¼NE¼	40.00	Mountainous	7	Grazing	30/VI:10/VII	Grazing	Private
		33	E½, SE¼NW¼	360.00	Mountainous	25	Grazing	VII	Grazing	Private
		34	NE¼NW¼	40.00	Mountainous	10	Grazing	VI	Grazing	Private
		34	NW¼NW¼, S½NW¼, N½SW¼, S½SE¼	280.00	Mountainous	5	Grazing	VII	Grazing	Private
		35	SW¼SW¼	40.00	Mountainous	2	Grazing	VII	Grazing	Private
		35	N½SW¼, SE¼SW¼	120.00	Mountainous	22	Stock-driveway	90/VI:30/VII	Stock-driveway	Federal
		35	E½E½	160.00	Mountainous	25	Stock-driveway	30/VI:130/VII	Stock-driveway	Federal

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Table 6 .-Description, Area and Classification of Public Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

WYOMING

6th Principal Meridian-Wyoming Twp. North	Range West	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Johnson County										
47	80	3	SW¼NW¼, W½SW¼	120.00	Rolling to rough	12	Grazing	VII	Grazing	Private
		5	All	637.87	Rolling to rough	64	Grazing	VII	Grazing	Private
		6	Lots 1,2,3,4,S½NE¼	241.44	Rolling to rough	28	Grazing	156.44/VI:85/VII	Grazing	Private
		6	Lot 5,NW¼SE¼,E½SE¼	161.53	Rolling to rough	20	Grazing	151.53/VI:10/VII	Grazing	Private
		8	N½NW¼	80.00	Rolling to rough	8	Grazing	VII	Grazing	Private
	81	7	Lot 1,NE¼NW¼,NW¼NE¼	115.68	Rolling to rough	17	Grazing	VII	Grazing	Private
		8	NW¼NW¼	40.00	Rolling to rough	6	Grazing	VII	Grazing	Private
		11	E½NW¼,SE¼SW¼,S½SE¼	200.00	Rough	20	Grazing	VII	Grazing	Private
		14	NE¼, E½NW¼	240.00	Rough	24	Grazing	VII	Grazing	Private
		14	S½SE¼	80.00	Rolling to rough	11	Grazing	60/VI:20/VII	Grazing	Private
		25	NW¼SE¼	40.00	Rolling	6	Grazing	VI	Grazing	Private
	82	31	NE¼SE¼	40.00	Rolling	8	Grazing	VI	Grazing	Private
	84	1	Lots 1,2, SE¼NE¼	120.30	Mountainous	18	Grazing	VII	Grazing	Private
		2	SE¼, E½SW¼, NW¼SW¼	280.00	Mountainous	13	Grazing	VII	Grazing	Private
		4	SW¼NW¼, N½SW¼	120.00	Mountainous	3	Grazing	VII	Grazing	Private
		10	SW¼NW¼,NW¼SW¼,SW¼SE¼	120.00	Mountainous	9	Grazing	VI	Grazing	Private
		11	NW¼NE¼	40.00	Mountainous		Watershed	VII	Watershed	Private
		11	N½SE¼, NE¼SW¼	120.00	Mountainous	5	Grazing	VI	Grazing	Private
		12	SW¼NE¼	40.00	Mountainous		Watershed	VII	Watershed	Private
		12	NW¼SW¼,S½SW¼,SW¼SE¼	160.00	Mountainous	2	Grazing	60/VI:100/VII	Grazing	Private
		13	NE¼	160.00	Mountainous	2	Grazing	VII	Grazing	Private
		14	NE¼SE¼	40.00	Mountainous	9	Grazing	30/VI:10/VII	Grazing	Private
		15	NW¼NE¼	40.00	Mountainous		Watershed	VI	Watershed	Private
		15	S½SW¼	80.00	Mountainous		Watershed	VII	Watershed	Private
		22	SW¼SW¼, NE¼SE¼	80.00	Mountainous		Watershed	VII	Watershed	Private
		23	NE¼NE¼	40.00	Mountainous		Watershed	VII	Watershed	Private
		24	NW¼NW¼	40.00	Mountainous		Watershed	VII	Watershed	Private
		28	W½NW¼	80.00	Mountainous	10	Grazing	40/VI:40/VII	Grazing	Private
		29	N½N½, SE¼NE¼	200.00	Mountainous	13	Grazing	30/VI:170/VII	Grazing	Private
		30	N½NE¼	80.00	Mountainous	3	Grazing	VII	Grazing	Private

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Table 6.- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

WYOMING

6th Principal Meridian-Wyoming Twp. North Johnson County	Range West	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
47	84	31	SW¼NW¼	40.00	Mountainous	2	Grazing	VII	Grazing	Private
		31	E½NE¼, SE¼, E½SW¼	320.00	Mountainous	46	Grazing	20/VI:300/VII	Grazing	Private
		32	NW¼SW¼	40.00	Mountainous	6	Grazing	VI	Grazing	Private
	85	5	Lots 5,6,7,8,9,10,11, 12,13,14,15	455.55	Mountainous	51	Grazing	VII	Gtazing	Private
		7	E½SE¼	80.00	Mountainous	3	Grazing	VII	Grazing	Private
		8	NW¼SW¼	40.00	Mountainous		Watershed	VII	Watershed	Private
		8	E½	320.00	Mountainous	13	Grazing	VII	Grazing	Private
		17	E½	320.00	Mountainous	7	Grazing	VII	Grazing	Private
		17	SE¼NW¼	40.00	Mountainous		Watershed	VII	Watershed	Private
		18	NE¼NE¼	40.00	Mountainous		Watershed	VII	Watershed	Private
		20	N½NE¼	80.00	Mountainous	5	Grazing	VII	Grazing	Private
		21	N½NW¼, SE¼SW¼, SW¼	280.00	Mountainous	37	Grazing	140/VI:140/VII	Grazing	Private
		25	SW¼SE¼	40.00	Mountainous	1	Grazing	VII	Grazing	Private
		26	SW¼NE¼, E½SE¼, NW¼SE¼	160.00	Mountainous	7	Grazing	VII	Grazing	Private
		28	N½N½, S½NW¼, SE¼NE¼, E½SE¼	360.00	Mountainous	58	Grazing	VI	Grazing	Private
		34	E½NW¼	80.00	Mountainous	4	Grazing	VI	Grazing	Private
		35	SE¼NE¼, NE¼SE¼	80.00	Mountainous		Watershed	VI	Watershed	Private
		34	SE¼SE¼	40.00	Mountainous		Watershed	VI	Watershed	Private
48	80	10	NE¼NE¼	40.00	Rough	4	Grazing	VII	Grazing	Private
		21	SE¼NW¼	40.00	Rough	4	Grazing	VII	Grazing	Private
		23	S½SW¼	80.00	Rough	9	Grazing	VII	Grazing	Private
		26	W½	320.00	Rough	36	Grazing	20/VI:300/VII	Grazing	Private
		31	Lots 3,4, SE¼	241.72	Rolling to rough	26	Grazing	96.72/VI:145/VII	Grazing	Private
	81	12	SE¼NE¼	40.00	Rolling	10	Grazing	VI	Grazing	Private
		18	Lot 4	35.62	Rolling	9	Grazing	VI	Grazing	Private
		19	Lots 1,2,3,4	141.80	Rolling	36	Grazing	VI	Grazing	Private
		22	SE¼SE¼	40.00	Rough	4	Grazing	VII	Grazing	Private
		24	S½	320.00	Rolling to rough	38	Grazing	15/VI:305/VII	Grazing	Private

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Table 6.- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

WYOMING

6th Principal Meridian-Wyoming Twp. North	Range West	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Johnson County										
48	81	25	N½NE¼, NW¼	240.00	Rolling to rough	30	Grazing	115/VI:125/VII	Grazing	Private
		30	Lots 1,2	71.87	Rolling	18	Grazing	VI	Grazing	Private
		31	SE¼NE¼	40.00	Rolling to rough	8	Grazing	25/VI:15/VII	Grazing	Private
		31	W½SE¼	80.00	Rolling to rough	16	Grazing	50/VI:30/VII	Grazing	Private
	82	9	NW¼SW¼	40.00	Rolling	10	Grazing	VI	Grazing	Private
		18	NW¼SE¼	40.00	Rolling	8	Grazing	VI	Grazing	Private
		20	NE¼NW¼	40.00	Rolling	6	Grazing	VI	Grazing	Private
		29	SW¼NW¼	40.00	Rolling	10	Grazing	VI	Grazing	Private
		32	SE¼SE¼	40.00	Rolling	10	Grazing	VI	Grazing	Private
	84	22	SW¼SE¼	40.00	Mountainous	10	Grazing	VI	Grazing	Private
		25	SW¼SE¼, SW¼SW¼	80.00	Mountainous	1	Watershed	VII	Watershed	Private
		26	SE¼SE¼	40.00	Mountainous		Watershed	VII	Watershed	Private
49	80	2	SE¼NW¼	40.00	Rough	5	Grazing	VII	Grazing	Private
	82	31	Lot 4	40.09	Rolling	9	Grazing	20/VI:20.09/VII	Grazing	Private
	83	1	SW¼NW¼	40.00	Rolling	10	Grazing	VI	Grazing	Private
		2	Lots 1,2	78.30	Rolling	20	Grazing	VI	Grazing	Private
		15	NW¼SE¼, S½SE¼	120.00	Steep and mountainous		Wildlife	VIII	Multiple	Federal
		27	S½SW¼	80.00	Steep and mountainous		Wildlife	VIII	Multiple	Federal
50	80	1	Tract 38, Tract 39 A	293.21	Rough	29	Grazing	VII	Grazing	Private
		2	Lots 9,10, NE¼SW¼	52.30	Rough	5	Grazing	VII	Grazing	Private
		2	Lots 5,6	25.82	Rough	3	Grazing	VII	Grazing	Private
		3	Lots 5,6,7,8	60.00	Rough	6	Grazing	VII	Multiple	Federal
		4	Lot 5	16.76	Rough	2	Grazing	VII	Multiple	Federal
		4	Lot 12	37.71	Rough	4	Grazing	VII	Multiple	Federal
		5	Tract 41	154.27	Rough	15	Grazing	VII	Multiple	Federal
		6	Lots8,9,10,11,12,13,14, 15,16,17,19,20,21	440.87	Rolling to rough	66	Grazing	220/VI:220.87/VII	Multiple	Federal
		6	Lots 18,22	66.13	Rolling to rough	12	Grazing	50/VI:16.13/VII	Multiple	Federal
		8	E½, NE¼NW¼, S½NW¼, SW¼	600.00	Rough	60	Grazing	VII	Multiple	Federal

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Table 6.- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

WYOMING

6th Principal Meridian-Wyoming Twp. North	Range West	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Johnson County										
50	80	9	All	640.00	Rough	64	Grazing	VII	Multiple	Federal
		10	E½	320.00	Rough	32	Grazing	VII	Grazing	Private
		15	W½E½	160.00	Rough	16	Grazing	VII	Grazing	Private
		17	E½E½, NW¼NE¼	200.00	Rough	20	Grazing	VII	Multiple	Federal
		20	NE¼	160.00	Rough	16	Grazing	VII	Multiple	Federal
		21	N½	320.00	Rough	32	Grazing	VII	Multiple	Federal
		22	NW¼	160.00	Rough	16	Grazing	VII	Multiple	Federal
		28	N½NE¼, SW¼NE¼	120.00	Rolling to rough	15	Grazing	30/VI:90/VII	Grazing	Private
		34	W½E½, E½NW¼	240.00	Rolling to rough	34	Grazing	100/VI:140/VII	Grazing	Private
	81	1	Lots 1,2, S½NE¼	160.42	Rough	16	Grazing	VII	Multiple	Federal
		27	W½SW¼	80.00	Rolling	20	Grazing	VI	Grazing	Private
		28	E½SE¼	80.00	Rolling	20	Grazing	VI	Grazing	Private
		33	NE¼NE¼	40.00	Rolling	10	Grazing	VI	Grazing	Private
		34	N½NW¼	80.00	Rolling	20	Grazing	VI	Grazing	Private
	82	18	Lots 3,4	30.79	Rolling to rough	4	Grazing	VII	Grazing	Private
		30	NW¼NE¼	40.00	Rolling to rough	7	Grazing	20/VI:20/VII	Grazing	Private
	83	1	NW¼	160.00	Rolling to rough	27	Grazing	VII	Recreation	Federal
		2	N½, NW¼SW¼	360.00	Rolling to rough	61	Grazing	VII	Recreation	Federal
		2	NE¼SW¼	40.00	Rolling to rough	7	Grazing	VII	Recreation	Federal
		3	S½N½	160.00	Rolling to rough	27	Grazing	VII	Recreation	Federal
		3	E½SW¼, W½SE¼, NE¼SE¼	200.00	Rolling to rough	33	Grazing	VII	Recreation	Federal
		4	S½NE¼	80.00	Rolling to rough	13	Grazing	VII	Recreation	Federal
		4	NW¼SW¼	40.00	Rolling to rough	7	Grazing	VII	Recreation	Federal
		10	SW¼NW¼, W½SW¼	120.00	Steep and mountainous		Wildlife	VIII	Wildlife	Federal
		22	SE¼NW¼	40.00	Steep and mountainous		Wildlife	VIII	Wildlife	Federal
		27	SE¼NW¼, NE¼SW¼	80.00	Steep and mountainous		Wildlife	VIII	Wildlife	Federal
51	80	2	Lots 6, 7	5.54	Level to rolling	1	Grazing	VI	Grazing	Private
		4	Lots 7, 10	80.00	Rolling to rough	8	Grazing	VII	Grazing	Private
		4	Lots 5,6,8	.52	Rolling to rough		Grazing	VII	Grazing	Private
		5	Lots 5,6,7	68.17	Rolling to rough	7	Grazing	VII	Grazing	Private

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Table 6.- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

WYOMING

6th Principal Meridian-Wyoming Twp. North	Range West	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Johnson County										
51	80	7	Lots 5,6	50.06	Rolling to rough	5	Grazing	VII	Grazing	Private
		8	Lots 1,2,3, NW¼NE¼	128.66	Rolling to rough	13	Grazing	VII	Grazing	Private
		11	Lot 1, NE¼NW¼	75.04	Rolling to rough	10	Grazing	65.04/VI:10/VII	Grazing	Private
		12	Lots 2,3	79.24	Rolling	10	Grazing	VI	Grazing	Private
		16	Lot 1	1.84	Rolling to rough		Grazing	VII	Grazing	Private
		16	Lots 2,3	2.88	Rolling to rough		Grazing	VII	Grazing	Private
		17	Lots 1,2,3	90.64	Rolling to rough	9	Grazing	VII	Grazing	Private
		19	Lot 5	42.09	Rolling to rough	4	Grazing	VII	Grazing	Private
		21	Lots 1,2	52.88	Rolling to rough	5	Grazing	VII	Grazing	Private
		21	Lot 3	28.34	Rolling to rough	3	Grazing	VII	Grazing	Private
		21	Lot 4	26.24	Rolling to rough	3	Grazing	VII	Grazing	Private
		22	Lot 1	1.94	Rolling to rough		Grazing	VII	Grazing	Private
		28	Lot 1	40.00	Rolling	8	Grazing	VI	Grazing	Private
		29	Lots 1,2,3,4	90.64	Rolling to rough	9	Grazing	VII	Multiple	Federal
		30	Lot 8	21.67	Rolling to rough	2	Grazing	VII	Multiple	Federal
		30	Lots 5,6,7,9,10,11, SE¼SW¼, SE¼, S½NE¼	426.74	Rolling to rough	43	Grazing	VII	Multiple	Federal
		31	Lots 5,6,7,8,9,10,11,NE¼, E½NW¼, NE¼SW¼, NW¼SE¼	551.62	Rolling to rough	57	Grazing	15/VI:536.62/VII	Multiple	Federal
		32	Lots 1,2,3	8.66	Rolling	2	Grazing	VI	Multiple	Federal
		33	Lots 1,2,3,4,5,6, SE¼NE¼, NE¼SE¼	234.72	Rough	24	Grazing	VII	Grazing	Private
		34	NE¼, N½NW¼, N½SE¼, Lot 4	361.57	Rough	36	Grazing	VII	Grazing	Private
		35	NW¼, N½S½, Lots 1,2,3,4	485.28	Rough	49	Grazing	VII	Grazing	Private
	81	1	Lot 4, SW¼NW¼, W½SW¼	165.02	Rough	17	Grazing	VII	Grazing	Private
		12	W½NW¼, SW¼, W½SE¼	320.00	Rough	32	Grazing	VII	Grazing	Private
		13	N½N½	160.00	Rough	16	Grazing	VII	Grazing	Private
		14	N½NE¼, SW¼NE¼	120.00	Rough	12	Grazing	VII	Grazing	Private
		23	SE¼	160.00	Rough	16	Grazing	VII	Recreation	Federal
		25	S½NW¼, SW¼, SW¼SE¼,E½SE¼	360.00	Rolling to rough	38	Grazing	80/VI:280/VII	Recreation	Federal

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Table 6.- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

WYOMING

6th Principal Meridian-Wyoming Twp. North Johnson County	Range West	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
51	81	26	NW¼NE¼, S½NE¼, SE¼	280.00	Rolling to rough	33	Grazing	200/VI:80/VII	Recreation	Federal
		35	NE¼SE¼	40.00	Rolling	5	Grazing	VI	Grazing	Private
	82	18	Lot 1	40.57	Rolling	3	Cultivation	20.57/V:20/VI	Grazing	Private
		30	Lots 8,9	48.66	Rolling	5	Cultivation	15/V:33.66/VI	Grazing	Private
52	77	4	Lots 5,6,7,8,9,10,11,12	243.28	Rough	24	Grazing	VII	Grazing	Private
		4	SW¼SW¼	40.00	Rough	4	Grazing	VII	Grazing	Private
		5	Lots 5,6,11,12,14	159.06	Rough	16	Grazing	VII	Grazing	Private
		6	Lots 15,16, NE¼SE¼	120.00	Rough	12	Grazing	VII	Grazing	Private
		8	NW¼NE¼	40.00	Rough	4	Grazing	VII	Grazing	Private
		16	Lot 1	2.90	Rough	1	Grazing	VII	Grazing	Private
	78	1	Lot 8	55.33	Rough	6	Grazing	VII	Grazing	Private
		2	Lot 5	54.98	Rough	5	Grazing	VII	Grazing	Private
	79	3	Lots 5,6,7	37.90	Rough	4	Grazing	VII	Grazing	Private
		5	Lots 6,10	53.97	Rolling to rough	6	Grazing	20/VI:33.97/VII	Grazing	Private
		5	Lot 9	12.01	Rough	1	Grazing	VII	Grazing	Private
		6	Lot 11	14.99	Rough	2	Grazing	VII	Grazing	Private
		7	SE¼NW¼, Lot 7, Tract 43A&B	128.46	Rough	13	Grazing	VII	Grazing	Private
		10	Lot 2	12.71	Rough	1	Grazing	VII	Grazing	Private
		10	Lot 1	.47	Rolling		Cultivation	V	Cultivation	Private
		10	Lot 4	39.60	Rolling		Cultivation	V	Cultivation	Private
		10	Lot 7, SW¼SW¼	79.79	Rolling	10	Grazing	VI	Grazing	Private
		14	Lot 5	12.55	Rough	1	Grazing	VII	Grazing	Private
		17	Lots 3,4, Tracts 43C & H	96.92	Rough	10	Grazing	VII	Grazing	Private
		19	Lots 5,6	75.88	Rough	8	Grazing	VII	Grazing	Private
		30	SW¼SE¼	40.00	Rough	4	Grazing	VII	Grazing	Private
		31	S½NE¼NE¼	20.00	Rough	2	Grazing	VII	Grazing	Private
		32	S½SW¼NW¼, Lots 1,2	130.18	Rough	13	Grazing	VII	Grazing	Private
		35	Lots 1,2	21.04	Rough	2	Grazing	VII	Grazing	Private
	80	1	Lot 12, SW¼SE¼	50.15	Rough	5	Grazing	VII	Grazing	Private
		9	Tract 48 A	22.00	Rough	2	Grazing	VII	Grazing	Private

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Table 6.- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

WYOMING

6th Principal Meridian-Wyoming Twp. North	Range West	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Johnson County										
52	80	10	Tract 48 A	17.75	Rough	2	Grazing	VII	Grazing	Private
		12	Lot 5	25.23	Rough	2	Grazing	VII	Grazing	Private
		12	Lot 8	23.83	Rolling to rough	5	Grazing	19/VI:4.83/VII	Grazing	Private
		14	Lot 1	11.17	Rolling	2	Grazing	VI	Grazing	Private
		15	Lot 1	38.52	Rough	7	Grazing	VII	Grazing	Private
		23	Lot 1	26.29	Rolling to rough	5	Grazing	20.29/VI:6/VII	Grazing	Private
		29	NW¼SW¼, E½SW¼, Lot 6	137.55	Rough	14	Grazing	VII	Grazing	Private
		32	Tracts 91 E, F, G	104.00	Rough	10	Grazing	VII	Grazing	Private
		33	Lot 1	5.91	Rough	1	Grazing	VII	Grazing	Private
	81	7	SW¼SE¼	40.00	Rolling to rough	7	Grazing	15/VI:25/VII	Grazing	Private
		18	Lot 2	40.02	Rolling to rough	8	Grazing	VII	Grazing	Private
		20	E½SE¼	80.00	Rough	14	Grazing	VII	Grazing	Private
		28	SW¼NW¼, NW¼SE¼	80.00	Rough	14	Grazing	VII	Grazing	Private
		29	NE¼NE¼	40.00	Rough	7	Grazing	VII	Grazing	Private
		33	E½NE¼	80.00	Rough	14	Grazing	VII	Grazing	Private
	82	2	N½SW¼, Lots 3,4	167.91	Rough	34	Grazing	VII	Grazing	Private
		3	Lot 1	43.91	Rough	9	Grazing	VII	Grazing	Private
		17	Lot 1	10.30	Lake			VIII		Federal
53	77	26	Lot 5	41.37	Rolling	6	Grazing	VII	Grazing	Private
		28	S½NW¼	80.00	Rolling to rough	8	Grazing	VII	Grazing	Private
		29	W½SE¼	80.00	Rolling to rough	8	Grazing	VII	Grazing	Private
	78	35	NE¼SE¼	40.00	Rough	4	Grazing	VII	Grazing	Private
	79	19	Lot 21	40.00	Rolling to rough	5	Grazing	20/VI:20/VII	Grazing	Private
		19	SW¼SE¼	40.00	Rough	4	Grazing	10/VI:30/VII	Grazing	Private
		20	Tract 55, Lot 5	236.32	Rough	24	Grazing	VII	Grazing	Private
		21	Lots 2,3,4,5,6,SE¼NE¼, W½SE¼, NE¼SW¼, Tract 55	363.24	Rough	57	Grazing	VII	Grazing	Private
		28	Tract 55, NW¼SW¼	50.00	Rough	5	Grazing	VII	Grazing	Private
		29	Tract 55	29.00	Rough	3	Grazing	VII	Grazing	Private
		30	Tract 57 I	40.32	Rough	4	Grazing	VII	Grazing	Private

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Table 6.- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

WYOMING

6th Principal Meridian-Wyoming Twp. North	Range West	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Johnson County										
53	79	32	Lot 1	9.35	Rolling	1	Grazing	VI	Grazing	Private
		34	SE¼NW¼	40.00	Rough	4	Grazing	VII	Grazing	Private
		34	Tract 67	43.18	Rough	7	Grazing	VII	Grazing	Private
	81	35	SE¼SE¼	40.00	Rough	7	Grazing	VII	Grazing	Private
	82	33	NW¼NE¼, NE¼SW¼	80.00	Rough	14	Grazing	VII	Grazing	Private
		35	SW¼SW¼	40.00	Rough	7	Grazing	VII	Grazing	Private
Natrona County										
41	77	30	NE¼SW¼, Lot 4	80.88	Rolling to broken	7	Grazing	VII	Grazing	Private
Sheridan County										
53	77	7	Lot 11	17.13	Level to rolling	3	Grazing	VI	Grazing	Private
		8	Lots 1,2,3	23.10	Level to rolling	3	Grazing	VI	Grazing	Private
		17	Lot 4	19.91	Level to rolling	3	Grazing	VI	Grazing	Private
	79	2	Lot 8	20.43	Steep and broken	2	Grazing	VII	Grazing	Private
		11	NE¼SE¼	40.00	Steep and broken	4	Grazing	VII	Grazing	Private
		17	Lot 7	21.36	Undulating	2	Grazing	VII	Grazing	Private
	80	4	N½SE¼	80.00	Steep	14	Grazing	VII	Grazing	Private
	82	8	W½NW¼, SW¼SW¼, SE¼SE¼, NW¼SE¼	200.00	Rolling	50	Grazing	VI	Grazing	Private
		9	SW¼SW¼	40.00	Rolling	10	Grazing	VI	Grazing	Private
		13	NE¼NE¼	40.00	Rolling	10	Grazing	VI	Grazing	Private
		17	SW¼SE¼, SE¼SW¼	80.00	Rough	16	Grazing	VII	Grazing	Private
54	76	17	SE¼SE¼	40.00	Rolling	6	Grazing	VI	Grazing	Private
		17	NE¼SE¼	40.00	Level to steep	4	Grazing	10/VI:30/VII	Grazing	Private
		20	SW¼NE¼	40.00	Rolling	6	Grazing	VI	Grazing	Private
		31	N½SE¼, SW¼SE¼	120.00	Rough	12	Grazing	VII	Grazing	Private
	77	27	NW¼NW¼	40.00	Rough	4	Grazing	VII	Grazing	Private

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Table 6.- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

WYOMING

6th Principal Meridian-Wyoming Twp. North	Range West	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Sheridan County										
54	77	32	NW¼, N½SW¼	240.00	Rough	24	Grazing	VII	Grazing	Private
	78	2	SW¼NE¼, SW¼NW¼, Lots 3,4	160.51	Rough	16	Grazing	VII	Grazing	Private
		3	Lots 1,2,3, S½NE¼, SE¼NW¼, S½	561.46	Rough	56	Grazing	VII	Grazing	Private
		4	E½SE¼	80.00	Rough	8	Grazing	VII	Grazing	Private
		6	SE¼NE¼, NE¼SE¼, Lots 5,6	118.87	Rough	12	Grazing	VII	Grazing	Private
		7	E½SE¼, Lots 3,4	118.46	Rough	12	Grazing	VII	Grazing	Private
		8	SW¼NW¼	40.00	Rough	4	Grazing	VII	Grazing	Private
		10	SE¼NW¼, E½SW¼	120.00	Rough	12	Grazing	VII	Grazing	Private
		15	N½NE¼	80.00	Rough	8	Grazing	VII	Grazing	Private
		20	N½NE¼, SE¼NE¼	120.00	Rough	12	Grazing	VII	Grazing	Private
		22	SW¼	160.00	Rolling to rough	30	Grazing	40/VI:120/VII	Grazing	Private
		24	SW¼NE¼	40.00	Rough	4	Grazing	VII	Grazing	Private
		29	W½	320.00	Rolling to rough	70	Grazing	250/VI:70/VII	Grazing	Private
		30	E½	320.00	Rolling to rough	55	Grazing	150/VI:170/VII	Grazing	Private
	79	2	W½SW¼	80.00	Rolling to rough	8	Grazing	VII	Grazing	Private
		3	Lot 3	39.83	Rolling	10	Grazing	VI	Grazing	Private
		10	SE¼NE¼	40.00	Rolling to rough	4	Grazing	VII	Grazing	Private
		25	SE¼SW¼	40.00	Rolling to rough	4	Grazing	VII	Grazing	Private
	80	10	NW¼NE¼	40.00	Rolling to rough	6	Grazing	VII	Grazing	Private
		11	SW¼NW¼	40.00	Rolling to rough	6	Grazing	VII	Grazing	Private
55	76	7	Lot 4, SE¼SW¼	73.70	Rough	7	Grazing	VII	Grazing	Private
		17	SW¼SW¼	40.00	Rough	4	Grazing	VII	Grazing	Private
		18	SE¼SE¼, SW¼NE¼, NW¼SE¼	120.00	Rough	12	Grazing	VII	Grazing	Private
		19	Lot 3	33.19	Rough	3	Grazing	VII	Grazing	Private
		20	NE¼SW¼	40.00	Undulating	6	Grazing	VI	Grazing	Private
		29	NW¼NW¼	40.00	Undulating to rough	5	Grazing	30/VI:10/VII	Grazing	Private
		29	SW¼NW¼	40.00	Rough	4	Grazing	VII	Grazing	Private
	77	4	SW¼NE¼	40.00	Flat	6	Grazing	VI	Grazing	Private
		9	SW¼NE¼, Lots 1,2	108.95	Rolling to rough	12	Grazing	VII	Grazing	Private

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Table 6.- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

WYOMING

6th Principal Meridian-Wyoming Twp. North	Range West	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Sheridan County										
55	77	12	SW¼SE¼	40.00	Rough	4	Grazing	VII	Grazing	Private
		13	Lot 1, W½SE¼	120.21	Rough	12	Grazing	VII	Grazing	Private
		14	Lot 2	22.28	Rough	2	Grazing	VII	Grazing	Private
		14	Lots 4,5	57.84	Rough	6	Grazing	VII	Grazing	Private
		15	NW¼	40.00	Rough and rocky	2	Grazing	20/VII:20/VIII	Grazing	Private
		20	E½E½	160.00	Rough and rocky	18	Grazing	VII	Grazing	Private
		21	SW¼NW¼, NW¼SW¼	80.00	Rough and rocky	9	Grazing	VII	Grazing	Private
		23	Lot 1, SE¼NW¼, NE¼SW¼, NW¼SE¼	151.71	Rough and rocky	17	Grazing	VII	Grazing	Private
		25	W½SW¼, SE¼SW¼, SW¼SE¼	160.00	Rolling to rough	21	Grazing	110/VI:50/VII	Grazing	Private
		28	NW¼NW¼	40.00	Rolling to rough	4	Grazing	VII	Grazing	Private
		29	E½NE¼	80.00	Rolling to rough	9	Grazing	VII	Grazing	Private
		32	W½NE¼, SE¼NE¼, N½SE¼	200.00	Rolling to rough	22	Grazing	VII	Grazing	Private
		33	Lots 3,4, NW¼SW¼	105.52	Rolling to rough	12	Grazing	VII	Grazing	Private
		35	NW¼NE¼	40.00	Rolling	6	Grazing	VI	Grazing	Private
		35	Lot 2	28.52	Rough	2	Grazing	VII	Grazing	Private
	78	4	Lots 5,10,11	15.95	Undulating	4	Grazing	VI	Grazing	Private
		4	Lots 6,7,8,9,12,13	226.03	Undulating to rough	44	Grazing	140/VI:86.03/VII	Grazing	Private
		5	Lots 5,6,7,8,9,10,11,12, NW¼SW¼	367.81	Undulating to rough	52	Grazing	103.84/VI:263.97/VII	Grazing	Private
		9	Lots 4,5,6	114.74	Undulating to rough	15	Grazing	24.74/VI:90/VII	Grazing	Private
		10	Lot 5	28.74	Rough	3	Grazing	VII	Grazing	Private
		14	Lot 1	1.49	Rough		Grazing	VII	Grazing	Private
		16	Lot 1	5.91	Rolling	1	Grazing	VI	Grazing	Private
		17	Lots 5,6	70.28	Rolling to rough	7	Grazing	VII	Grazing	Private
		22	Lot 4	23.25	Rolling to rough	2	Grazing	VII	Grazing	Private
		23	Lots 1,2	11.00	Rolling to rough	3	Grazing	10/VI:1/VII	Grazing	Private
		27	Lot 2	22.59	Rolling to rough	2	Grazing	VII	Grazing	Private
		29	Lot 4	2.37	Rolling to rough		Grazing	VII	Grazing	Private
		30	Lots 5,6	24.20	Rolling to rough	2	Grazing	VII	Grazing	Private

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Table 6 .- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

WYOMING

6th Principal Meridian-Wyoming Twp. North	Range West	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Sheridan County										
55	78	31	Lots 7,8,9,13,14,15, 16, 17,18,19,20,21,22,23,24	525.65	Rolling to rough	53	Grazing	VII	Grazing	Private
		32	Lots 2,3, NW¼SW¼	65.36	Rolling to rough	7	Grazing	VII	Grazing	Private
	79	6	Lot 2	40.97	Rolling to rough	7	Grazing	VII	Grazing	Private
		13	SW¼SW¼	40.00	Rolling to rough	4	Grazing	VII	Grazing	Private
		14	N½SE¼, NE¼SW¼	120.00	Rolling to rough	12	Grazing	VII	Grazing	Private
		15	SE¼NE¼	40.00	Rolling to rough	4	Grazing	VII	Grazing	Private
		17	NW¼NW¼	40.00	Rolling to rough	7	Grazing	VII	Grazing	Private
		18	N½NE¼, SE¼NE¼	120.00	Rolling to rough	20	Grazing	VII	Grazing	Private
		19	NE¼NE¼, S½NE¼, N½SE¼	200.00	Rolling to rough	33	Grazing	VII	Grazing	Private
		20	E½SE¼, W½, SW¼SE¼	440.00	Rolling to rough	73	Grazing	VII	Grazing	Private
		21	SW¼SW¼	40.00	Rolling to rough	7	Grazing	VII	Grazing	Private
		26	SW¼NW¼	40.00	Rolling to rough	10	Grazing	VI	Grazing	Private
		27	N½NE¼, SE¼NE¼	120.00	Rolling to rough	30	Grazing	VI	Grazing	Private
		32	NW¼NW¼	40.00	Rolling to rough	7	Grazing	VII	Grazing	Private
		33	NE¼SE¼, SE¼NE¼	80.00	Rolling to rough	20	Grazing	VI	Grazing	Private
		34	NW¼NE¼	40.00	Rolling to rough	10	Grazing	VI	Grazing	Private
	80	10	SE¼SW¼	40.00	Rolling to rough	7	Grazing	VII	Grazing	Private
		23	NE¼SE¼	40.00	Rolling to rough	7	Grazing	VII	Grazing	Private
		24	SW¼SW¼	40.00	Rolling to rough	7	Grazing	VII	Grazing	Private
		26	NE¼SW¼	40.00	Rolling to rough	7	Grazing	VII	Grazing	Private
		29	E½SW¼	80.00	Rolling to rough	20	Grazing	VI	Grazing	Private
56	76	31	NE¼SE¼	40.00	Rolling to rough	4	Grazing	VII	Grazing	Private
		32	SW¼SW¼	40.00	Rolling to rough	6	Grazing	VI	Grazing	Private
	77	26	Lot 3, NW¼SW¼	54.62	Rough	5	Grazing	VII	Grazing	Private
		34	SW¼SE¼	40.00	Rough	3	Grazing	30/VII:10/VIII	Grazing	Private
		35	Lot 7	33.09	Flat	6	Grazing	V	Grazing	Private
		36	Lots 1,2	10.98	Rough	1	Grazing	VII	Grazing	Private
	78	3	Lot 15	19.67	Rolling	5	Grazing	VI	Grazing	Private

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Table 6.- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

WYOMING

6th Principal Meridian-Wyoming Twp. North	Range West	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Sheridan County										
56	78	32	Lots 3,4	105.13	Rough	10	Grazing	VII	Grazing	Private
	79	4	Lot 17, SE¼SW¼	75.00	Rough	8	Grazing	VII	Grazing	Private
		13	Tract 51 B	39.75	Rolling to rough	8	Grazing	19.75/VI:20/VII	Grazing	Private
		23	Lot 1	11.80	Rough	1	Grazing	VII	Grazing	Private
		26	Lots 1,2	24.57	Rolling to rough	4	Grazing	10/VI:14.57/VII	Grazing	Private
57	77	7	Lot 6	22.45	Rough	3	Grazing	VII	Grazing	Private
		7	Tract 41 E	35.26	Rough	4	Grazing	VII	Grazing	Private
		16	Lot 1	5.67	Rolling	1	Grazing	VII	Grazing	Private
		17	Lots 6,7	10.84	Rough	2	Grazing	VII	Grazing	Private
		18	Lot 8	30.57	Rough	4	Grazing	VII	Grazing	Private
		19	SE¼NW¼	40.00	Rough	5	Grazing	VII	Grazing	Private
		19	SE¼SW¼	40.00	Rough	7	Grazing	VII	Grazing	Private
	78	2	Lot 2, SW¼NE¼	79.22	Rough	7	Grazing	VII	Grazing	Private
		12	W½NW¼	80.00	Rough	11	Grazing	VII	Grazing	Private
		13	SW¼NE¼	40.00	Rolling	10	Grazing	VI	Grazing	Private
		24	NE¼SE¼	40.00	Rolling to rough	7	Grazing	VII	Grazing	Private
58	77	21	Lots 6,7,8,9	81.69	Rolling to rough	12	Grazing	VII	Grazing	Private
		21	Lot 10	10.33	Rolling to rough	2	Grazing	VII	Grazing	Private
		28	W½SW¼	80.00	Rolling to rough	11	Grazing	VII	Grazing	Private
		29	NW¼NE¼, NE¼NW¼, Lots 5,6	82.23	Rolling to rough	12	Grazing	VII	Grazing	Private
		31	Lot 12	33.63	Rolling to rough	5	Grazing	VII	Grazing	Private
		32	Lot 1	1.12	Rolling to rough		Grazing	VII	Grazing	Private
		19	NW¼SE¼	40.00	Rolling to rough	6	Grazing	VII	Grazing	Private
	78	35	S½SE¼	80.00	Rolling to rough	11	Grazing	VII	Grazing	Private
Washakie County										
43	86	2	SW¼, S½NW¼, NW¼NW¼	280.00	Mountainous	50	Stock-driveway	40/VI:240/VII	Stock-driveway	Federal

-Continued

Table 6.- Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/ -Continued

WYOMING

6th Principal Meridian-Wyoming Twp. North	Range West	Sec.	Subdivision	Acres	General Land Character	AUMS.	Present Land Use	Land Capability Classification 2/	Principal Suitability	Proposed Management
Washakie County										
43	86	3	NE¼NE¼, SE¼SE¼	80.00	Mountainous	13	Stock-driveway	VII	Stock-driveway	Federal
		10	NE¼NE¼	40.00	Mountainous	6	Stock-driveway	VII	Stock-driveway	Federal
		11	NW¼NE¼, N½NW¼, NW¼SW¼	160.00	Mountainous	35	Stock-driveway	130/VI:30/VII	Stock-driveway	Federal
		12	E½SE¼	80.00	Mountainous	12	Grazing	VII	Grazing	Private
		24	SE¼SE¼	40.00	Mountainous	7	Grazing	VII	Grazing	Private
		25	SE¼NE¼, SE¼SE¼	80.00	Mountainous	14	Grazing	VII	Grazing	Private
		34	S½SE¼	80.00	Mountainous	27	Stock-driveway	VII	Stock-driveway	Federal
		35	S½S½	160.00	Mountainous	32	Stock-driveway	VII	Stock-driveway	Federal
44	86	24	E½NE¼, SE¼NW¼	120.00	Mountainous	20	Stock-driveway	VII	Stock-driveway	Federal
		25	S½SE¼	80.00	Mountainous	11	Stock-driveway	40/VI:40/VII	Stock-driveway	Federal
		35	E½NE¼, NE¼SE¼	120.00	Mountainous	24	Stock-driveway	50/VI:70/VII	Stock-driveway	Federal

Table 6.-Description, Area and Classification of Public Domain Lands by Counties Within the Isolated Tract Area of the Powder River Basin, Montana and Wyoming, 1953 1/

Totals by Counties	Total Acres	Acres by Land Capability Classes			
		V	VI	VII	VIII
Montana					
Carter	4,459		2,668	1,791	
Custer	18,860	372	6,184	11,642	662
Powder River	54,688	1,663	20,777	30,443	1,805
Prairie	4,988	852	547	1,793	1,796
Wyoming					
Campbell	30,656	30	7,983	21,871	772
Converse	240			240	
Johnson	48,055	86	11,426	34,435	2,108
Natrona	80			80	
Sheridan	9,956	33	1,959	7,934	30
Washakie	1,320		260	1,060	
GRAND TOTAL	173,302	3,036	51,804	111,289	7,173

1/ This table has been compiled from the individual tract classification reports of the Bureau of Land Management, Area III, Denver, Colorado.

2/ See appendix for detailed description of land-use capability classification.

APPENDIX A
LAND CLASSIFICATION AND RANGE SURVEY METHODS

Field studies made in the Powder River Basin by the Bureau of Land Management from 1949 to 1952 were based on a consideration of the effect of vegetative condition on sustained carrying capacity of range lands. Condition was determined by examination of the composition of the forage cover and comparison with the climax possible under existing conditions of soil, topography and climate as evidenced on relict areas in locations inaccessible to livestock. Condition is stated as excellent (E), good (G), fair (F), or poor (P).

A guide was prepared for determination of the condition class, and recommended stocking rates were based on intensive studies of both mountain and basin range lands. Stocking rates were recommended for each condition class of lands in capability classes V, VI and VII on a conservative basis in order to allow for recovery of those lands found to be in less than good condition. This guide is included as Appendix B.

The Land Classification Map included with this report was prepared from information gathered by the foregoing methods. A formula is shown for each type outlined on the map designating consecutively in the numerator the vegetative type by number, the three principal species by symbol, and the acres per animal unit month. In the denominator are shown consecutively the Land Use Capability as described in Appendix C with an exponent (t) or (s) specifying respectively topography or soil as being the basis limiting factor of classification, the condition (E, G, F, or P.) and the erosion condition in a series of three numbers designating the degree as measured from one to five for sheet, wind and gully erosion respectively as shown in Appendix D.

Appendix B
Powder River Basin, Wyoming
Guide for Determination of Range Condition Classes and Recommended Stocking Rates

BASIN TYPE

Rating Factors	Percent Composition by Range Condition Classes			
	Excellent (percent)	Good (percent)	Fair (percent)	Poor (percent)
Desirable Species	80+	70+	50+	50-
Mid-grasses	30+	10+	5+	5-
Short-grasses		bal.	bal.	bal.
Less Desirable Species	20-	30-	45-	45+
Undesirable Species	10-	20-	45-	45+
Noxious Species	0	0	T	5
Minimum Density:				
Capability Class V	30+	30+	25+	25-
Capability Class VI	30+	25+	20+	20-
Capability Class VII	25+	20+	15+	15-
Maximum Erosion:				
Capability Class V	none	none	none	none
Capability Class VI	to	to	to	to
Capability Class VII	slight	moderate	severe	destructive

Recommended Stocking Rates in Acres per Animal Unit Month

No.	Type	Capability Class	Acres per Animal Unit Month			
1	Grassland	V	2.5	3.0	6.0	12.0
		VI	3.0	4.0	7.0	16.0
		VII	4.0	5.0	9.0	20.0
2	Dry Meadow	V	2.0	2.5	3.0	8.0
		VI	2.5	3.0	4.0	10.0
		VII	—	—	—	—
4	Sage Brush	V	3.0	4.0	7.0	14.0
		VI	4.0	5.0	8.0	18.0
		VII	5.0	6.0	10.0	22.0
13	Salt Sage	V	—	—	—	—
		VI	6.0	7.5	12.0	26.0
		VII	7.0	8.5	14.0	30.0
14	Greasewood	V	3.0	4.0	6.0	14.0
		VI	4.0	5.0	8.0	18.0
		VII	5.0	6.0	10.0	22.0

Ecological Groups of Principal Plant Species by Vegetative Types

	Grassland		Dry Meadow	Sage Brush	Salt Sage	Greasewood	Winter Fat
	Upland & Mesa	Lowland & Bottom					
Most Desirable (decreasers)	Asm. Sco. Cfi. Kcr. Pse. Asp. Bgr. Clo.	Asm. Sco. Cfi. Kcr. Pse. Asp.	Asm. Sco. Kcr. Pse.	Asm. Sco. Kcr. Pse. Cfi. Asp. Bgr.	Asm. Arm. Psa. Ohy. Cfi.	Asm. Sco. Det. Pse. Kcr.	Asm. Sco. Ela. Ate.
Less Desirable (increasers)	Ohy.	Ohy. Bgr.	Bgr.	Phy. Aca. Atr.	Afi. Aco. Asj.	Bgr. Aco.	Bgr. Pse. Anu. Ape.
Undesirables (invaders)	Atr. Bte. Gsq. Gsa. PHL OPU CHR Afr. Ano. DEL Zve. HAL	Atr. Bte. Gsq. Gss. PHL Shy. CHR Afr. Aca. OPU DEL Zve. HAL	Bte. Shy. Gsq. Gsa. PHL Atr. Afr. OPU DEL Zve. HAL	Bte. Shy. Gsq. Gsa. PHL CHR Afr. Ano. OPU DEL Zve. HAL	Bte. Gsq. Sve. Ano. OPU Xpa.	Bte. Eco. Sve. CHR Ano. OPU Xpa.	PHL OPU Xpa.

MOUNTAIN TYPE

Rating Factors		Percent Composition by Range Condition Classes			
		Excellent (percent)	Good (percent)	Fair (percent)	Poor (percent)
Desirable Species		95+	80+	65+	65-
Less Desirable Species		5-	15-	35-	35+
Undesirable Species		5-	10-	25-	25+
Noxious Species		T	1-	5-	5+
Minimum Density:					
Capability Class	V	80+	60+	30+	30-
Capability Class	VI	80+	50+	25+	25-
Capability Class	VII	75+	40+	20+	20-
Maximum Erosion:					
Capability Class	V	none	none	none	none
Capability Class	VI	to	to	to	to
Capability Class	VII	slight	moderate	severe	destructive

Recommended Stocking Rates in Acres per Animal Unit Month

No.	Type	Capability Class	Acres per Animal Unit Month			
1	Grassland	V	1.5	1.5	3.0	7.5
		VI	1.5	2.0	4.0	10.0
		VII	2.0	3.0	6.0	16.0
2	Wet Meadow	V	0.5	1.0	2.0	4.0
		VI	0.5	1.0	2.5	6.0
		VII	—	—	—	—
4	Sagebrush	V	2.5	2.5	3.5	10.0
		VI	2.5	3.0	4.5	12.0
		VII	3.0	3.5	6.0	18.0
5	Mountain Brush	V	---	---	---	---
		VI	4.0	5.0	7.0	14.0
		VII	5.0	6.0	9.0	20.0
6	Timbered Range	V	4.0	4.0	6.0	10.0
		VI	4.0	5.0	7.0	12.0
		VII	5.0	6.0	8.0	18.0

Ecological Groups of Principal Plant Species by Vegetative Types

	Grassland	Dry Meadow	Sage Brush	Mountain Brush	Timbered Range
Most Desirable (decreasers)	Fid. Asm. Asp. Ppr. Aal. Cfi. Svi. Kcr.	Ppr. Aal. Pal. Bin.	Fid. Asm. Asp. Kcr.	Fid. Asm. Asp. Cle. Ptr.	Fid. Asp. Sco.
Less Desirable (increasers)	Dun. Cvi.	CAR Dun.	Cvi. Svi.	Kcr. Atr.	Kcr. Svi. Cca.
Undesirables (invaders)	Foc. Bta. Ala. Bsa. Tof. Gsq. LUP AST Eco. PHL Zve. Dgl.	Ara. CAR JUN Zve. Dgl.	Foc. Bta. Ala. Bsa. Tof. Gsq. LUP AST Eco. PHL Zve. Dgl.	Foc. Bte. Bsa. Afr. Ano. Dme.	Pse. Afr. Sra. Atr. LUP AST

Appendix C. - Description and definitions of land-use capability classes 1/

Class	Suitable for	Topography		Characteristic Native Vegetation	Soil Characteristics						Vulnerability to Erosion	Requisite Special Practices
		Slope (percent)	Character of Surface		Texture	Depth	Relative Salinity	Fertility	Productivity	Drainage		
I	Best type of farming land	0 to 2	Level or nearly level	Tall and mid-grasses, thrifty sagebrush, deciduous trees	Medium; Friable	12" or more; sub-soil 36" or more	Negligible	High	Good to High	Good to Excellent	Low	None to minor
II	Farming with simple conservation practices	0 to 10	Irregular	Tall, mid, and short grasses; big sagebrush, deciduous trees	Light to Heavy; Friable	8" or more; sub-soil 36" or more	Negligible to slight	Good to High	Moderate to High	Good	Slight to Moderate	Minor to simple practices
III	Farming with complex conservation practices	0 to 10	Irregular	Tall, mid, and short grasses; big sagebrush, rabbitbrush, greasewood, coniferous, and deciduous trees	Light to Heavy; Friable	6" or more; sub-soil 24" or more	Slight to moderate	Fair to Good	Moderate to High with management	Often poor; may be needed	Moderate to High	Complex practices essential
IV	Limited or occasional cultivation; best for permanent hay or pasture	0 to 15	Irregular or stony	Tall, mid, and short grasses; big sagebrush, rabbitbrush, greasewood, coniferous, deciduous trees, saltbush, winter-fat	Sandy to Clay; porous or tight	6" or more; may have shallow hardpan	Negligible to critical	Poor to Good	Poor for row crops; best for hay and pasture	Not justifiable if needed	Moderate to High or nil	Complex and intensive practices with good management
V	Range or woodland; farming only if irrigation water becomes available	0 to 5	Smooth to irregular; may be stony or wet	Tall, mid, and short grasses; big sagebrush, rabbitbrush, greasewood, coniferous, and deciduous trees	Light to Heavy; Friable	Good permea-bility to 24" depth	Negligible to moderate	Good to High	Moderate to High	Usually not a problem	Low	None to minor or drainage
VI	Range and woodland only	0 to 20 (greater only on good soils)	Irregular to rough or rocky	Tall, mid, and short grasses; big sagebrush, rabbitbrush, greasewood, coniferous, deciduous trees, saltbush, winter-fat	Very Light to Heavy	Shallow to moderate; permeability excessive to poor	Negligible to moderate	Fair to Good	Light to Moderate;	Not practicable if a problem	Moderate	Proper management with simple restrictions
VII	Range and woodland with severe restrictions	0 to 100	Rough rocky, or eroded	Tall, mid, and short grasses; big sagebrush, rabbitbrush, greasewood, coniferous, deciduous trees, saltbush, winter-fat, mountain browse and annuals	Any: May be tight clay or open sand or gravel	Often shallow, poorly developed	Negligible to critical	May be Poor	Poor to Light	Seldom a problem or not practicable	High	Proper management with complex restrictions and intensive practices
VIII	Watershed, wildlife and recreation	Generally steep or swampy	Extremely rough, barren or inaccessible	Often only annuals or scanty perennials; may be dense coniferous timber	Usually poorly developed	Very shallow or nil	May be excessive for plant growth	Usually very low	Usually very low or nil	Often poor; not justifiable if a problem	High (unless a swamp)	Complete Protection

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1/ Adapted from Soil Conservation Service Standards, U. S. Department of Agriculture. Any one of the factors listed may classify a soil, factors determining classification singly, not necessarily in combination.

Appendix D. - Description and definitions of soil erosion condition classes

Erosion Class	Description of degree of erosion	Sheet Erosion 1/	Wind Erosion 1/	Gully Erosion 1/
1	None to Slight	0-10 percent of topsoil removed. Little apparent evidence of surface erosion and then only localized areas too small to delineate into Class 2. Vegetation often climax type. Generally smooth to gently undulating plains and forested lands; dominantly 0-3 percent slopes.	None to only local evidence of slight soil drift or surface soil removal. 0-10 percent of topsoil removed. Soil usually well protected by sod or plant litter.	No evidence of active gullying. All waterways well established.
2	Slight to Moderate	10-25 percent of topsoil removed, but with little evidence of vegetation breaking up. Slopes generally moderate; characterized by climax type of vegetation with few annual weeds and of usually lower density than vegetation in Class 1 above.	Local evidence of slight to moderate soil drifting and surface soil removal and/or accumulation. Most soil types, particularly the silty and fine sandy textured soils under certain conditions of culture and drought combined with high winds, are subject to this form of soil deterioration.	Occasional active gullies which are usually shallow, occuring primarily along main watercourses at intervals of more than 100 feet. In open areas and where slopes permit, little difficulty in traversing the area in a car.
3	Moderate to Severe	25-50 percent of topsoil removed. "Cat steps" and terraces noticeable on slopes which may be moderate to steep. Bare spots are quite common. Undesirable weeds and plants are beginning to dominate the vegetation with climax types more often scattered than dominant. Perennial woody plants frequently pedestalled. Subsoil rarely exposed except in localized areas.	Bare spots common and areas generally more consistently subject to damage by soil blowing. Soils often removed to depths of 1 to 4 inches and drift accumulations and hummocks noticeable. Sod grass deterioration and plant pedestals in evidence and plant cover is insufficient for soil protection. Subsoil occasionally exposed and soils containing gravel show pavement appearance.	Occasional gullies shallow or deep occuring at intervals of more than 100 feet apart. Concentration of run-off and drainage channeling generally due to steepness of slope. Main water courses deeply channeled, generally U-shaped with tributaries usually V-shaped. Moderate difficulty in traversing area in car, ordinarily having to "head" gully in crossing. Generally associated with extensive shoe-string or rill gullying.
4	Severe to Critical	50-100 percent of topsoil removed and subsoil may be exposed in many places and is being removed to varying depths. Bare spots and trampled out areas common and plant pedestalling and erosion pavement highly evidenced. Loss of surface soil may be complete, associated with active gullying and high mortality of climax species of vegetation. Annual and perennial invaders may dominate the vegetation.	Majority of topsoil may be removed; usually accompanied by destructive accumulations in form of hummocks and dunes particularly along such obstructions as fences and edges of drainageways. Perennial vegetation often scanty and extensively pedestalled.	Frequent, usually shallow, gullies occuring at intervals of less than 100 feet apart. Main waterways deeply channeled and undergoing active gullying, usually U-shaped. Areas often incised by shoestring gullies and rills but are not generally so numerous or deep as to destroy the land completely but dissection permits rapid drainage of surface water. Corduroyed surface makes car travel impossible.
5	Critical to Extreme	Usually all the surface soil has been removed and utility and productivity of land has been largely destroyed by advanced stages of gully erosion which usually continues and retirement from use is, therefore, mandatory. Barren wastelands are often in this class. Desirable perennials never have occupied the area or have been practically obliterated and low density of annuals usually predominates.	Represents a condition of soil deterioration amounting to essential destruction. Retirement from further use is mandatory and artificial treatment is often essential to soil stabilization. Constantly shifting dunes are common. Deep fine sandy soils usually predominate in areas so classified.	Frequent and deep gullies. Generally represents maximum destruction by erosion. Complete and rapid drainage of surface water and soil moisture effected through intricate dissection of soil by gullies. Deeply channeled waterways with edges broken and caved in. Gully banks, slopes and bottoms in active erosion stage.

1/ The erosion condition and proposed improvement map utilizes three numbers in series to show the degree of erosion in each of the three types of erosion in this order: sheet, wind, gully. An example would be 3 - 2 - 1.

APPENDIX E
PRINCIPAL PLANTS OF THE POWDER RIVER BASIN 1/

Symbol	Scientific Name		Common Name
	Grass		
Ada	Agropyron	dasystachyum	thickspike wheatgrass
Ain		inerme	beardless bluebunch wheatgrass
Apa		pauciflorum	slender wheatgrass
Are		repens	quackgrass
Asm		smithi	bluestem wheatgrass
Asp		spicatum	bearded bluebunch wheatgrass
Aal	Agrostis	alba	red top
Afu	Andropogon	furcatus	big bluestem
Asc		scoparius	little bluestem
Alo	Aristida	longiseta	red threeawn
Bgr	Bouteloua	gracilis	blue grama
Bcu		curtipendula	sideoats grama
Bca	Bromus	carinatus	mountain brome
Bin		inermis	smooth brome
Bja		japonicus	Japanese brome
Bte		tectorum	cheatgrass brome
Cca	Calamagrostis	canadensis	bluejoint reedgrass
Clo	Calamovilfa	longifolia	prairie sandreedgrass
Dun	Danthonia	unispicata	onespike danthonia
Dst	Distichlis	stricta	inland saltgrass
Eco	Elymus	condensatus	giant wildrye
Fid	Festuca	idahoensis	Idaho fescue
Foc		octoflora	sixweeks fescue
Hju	Hordeum	jubatum	foxtail barley
Hno		nodosum	meadow barley
Kcr	Koeleria	cristata	prairie junegrass
Mbu	Melica	bulbosa	oniongrass
Ohy	Oryzopsis	hymenoides	Indian ricegrass
Pal	Phleum	alpinum	alpine timothy
Ppr		pratense	timothy
Ppa	Poa	pratensis	Kentucky bluegrass

1/ Compiled from "Standardized Plant Names", by H. P. Kelsey and W. A. Dayton, Second Edition, J. Horace McFarland Co., Harrisburg, Pa., 1942.

Symbol	Scientific Name		Common Name
	Grass		
Pse		secunda	Sandberg bluegrass
Shy	Sitanion	hystrix	bottlebrush squirreltail
Sco	Stipa	comata	needleandthread
Svi		viridula	green needlegrass
	Grass-like plants		
Cfi	Carex	filifolia	threadleaf sedge
Cge		geyeri	elk sedge
Jba	Juncus	balticus	baltic rush
Ala	Achillea	lanulosa	western yarrow
Ata	Agoseris	taraxacifolia	dandelion agoseris
Alu	Anemone	ludoviciana	American pasqueflower
Aro	Antennaria	rosea	rose pussytoes
Aco	Arnica	cordifolia	heartleaf arnica
Ast	Aster	(spp)	aster
Bsa	Balsamorhiza	sagittata	arrowleaf balsamroot
Cnu	Calochortus	nuttalli	segolily mariposa
Cco	Castilleja	coccinea	Indian paintbrush
Cal	Chenopodium	album	lambsquarters
Car	Cirsium	arvense	Canada thistle
Cun		undulatum	wavyleaf thistle
Cle	Clematis	(spp)	clematis
Dod	Dodecantheon	(spp)	shootingstar
ERI	Eriogonum	(spp)	eriogonum
Gvi	Geranium	viscosissimum	sticky geranium
Gle	Glycyrrhiza	lepidota	American licorice
Gsq	Grindelia	squarrosa	curlycup gumweed
LEP	Lepidium	(spp)	pepper weed
Mal	Melilotus	alba	white sweetclover
Mof		officinalis	yellow sweetclover
Mci	Mortensia	ciliata	mountain bluebells
Mco	Malvastrum	coccinea	false mallow
PEN	Penstemon	(spp)	penstemon
PHL	Phlox	(spp)	phlox
Rum	Rumex	(spp)	dock
Ste	Salsola	tenuifolia	tumbling Russianthistle
SED	Sedum	(spp)	stonecrop
Sci	Sieversia	ciliata	prairiesmoke sieversia
SOL	Solidago	(spp)	goldenrod
Tof	Taraxacum	officinale	common dandelion
URT	Urtica	(spp)	nettle

Symbol	Scientific Name		Common Name
	Poisonous plants		
Axy	Aster	xylorrhiza	common woody aster
AST	Astragalus	(spp)	loco
CIC	Cicuta	(spp)	waterhemlock
Dbi	Delphinium	bicolor	little larkspur
EQU	Equisetum	(spp)	horsetail
Hgl	Halogeton	glomerata	halogeton
LUP	Lupinus	(spp)	lupine
OXY	Oxytropis	(spp)	crazy weed
Tma	Triglochin	maritima	shore podgrass
Zve	Zigadenus	venenosus	meadow deathcamas
	Shrubs		
Acx	Artemisia	cana	silver sagebrush
Afr		frigida	fringed sagebrush
Ano		nova	black sagebrush
Ape		pedatifida	birdfoot sagebrush
Asp	Artemisia	spinescens	bud sagebrush
Aco	Atriplex	confertifolia	shadscale saltbrush
Anu		gardneri	Gardner saltbrush
Cle	Cercocarpus	ledifolius	curlleaf mountain-mahogany
Cla	Chrysothamnus	lanceolatus	lanceleaf rabbitbrush
Cno		nauseosus	rubber rabbitbrush
Ela	Eurotia	lanata	common winterfat
Gsa	Gutierrezia	sarothrae	broom snakeweed
Opo	Opuntia	polyacantha	plains pricklypear
Ptr	Purshia	ridentata	Antelope bitterbrush
Pfr	Potentilla	fruiticosa	bush cinquefoil
Sve	Sarcobatus	vermiculatus	black greasewood
Sal	Symphoricarpos	albus	common snowberry
	Trees		
Ala	Abies	lasiocarpa	alpine fir
Ane	Acer	negundo	boxelder
Aal	Amelanchier	alnifolia	Saskatoon serviceberry
Bfo	Betula	fontinalis	water birch
CRA	Crataegus	(spp)	hawthorn
Jco	Juniperus	communis	common juniper
Jsc		scopulorum	Rocky Mountain Juniper
Pen	Picea	englemanni	Englemann spruce

Symbol	Scientific Name		Common Name
	Trees		
Pco	Pinus	contorta	lodgepole pine
Pfl		flexilis	limber pine
Ppo		ponderosa	ponderosa pine
Pan	Populus	angustifolia	narrowleaf cottonwood
Pde		deltoides	river cottonwood
Ptr		tremuloides	quaking aspen
Pvi	Prunus	virginiana	common chokecherry
Pta	Pseudotsuga	minziesii	common Douglas-fir
QUE	Quercus	(spp)	oak
SAL	Salix	(spp)	willow
Sca	Shepherdia	canadensis	russet buffaloberry
Sam	Sorbus	americana	American Mountain ash

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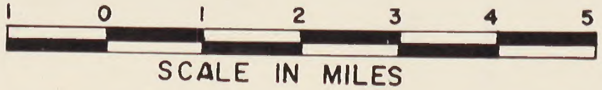
POWDER RIVER BASIN MAP

MONTANA
SHOWING

VEGETATION, CAPABILITY, EROSION, AND CARRYING CAPACITY

SHEET No. 1 of 3



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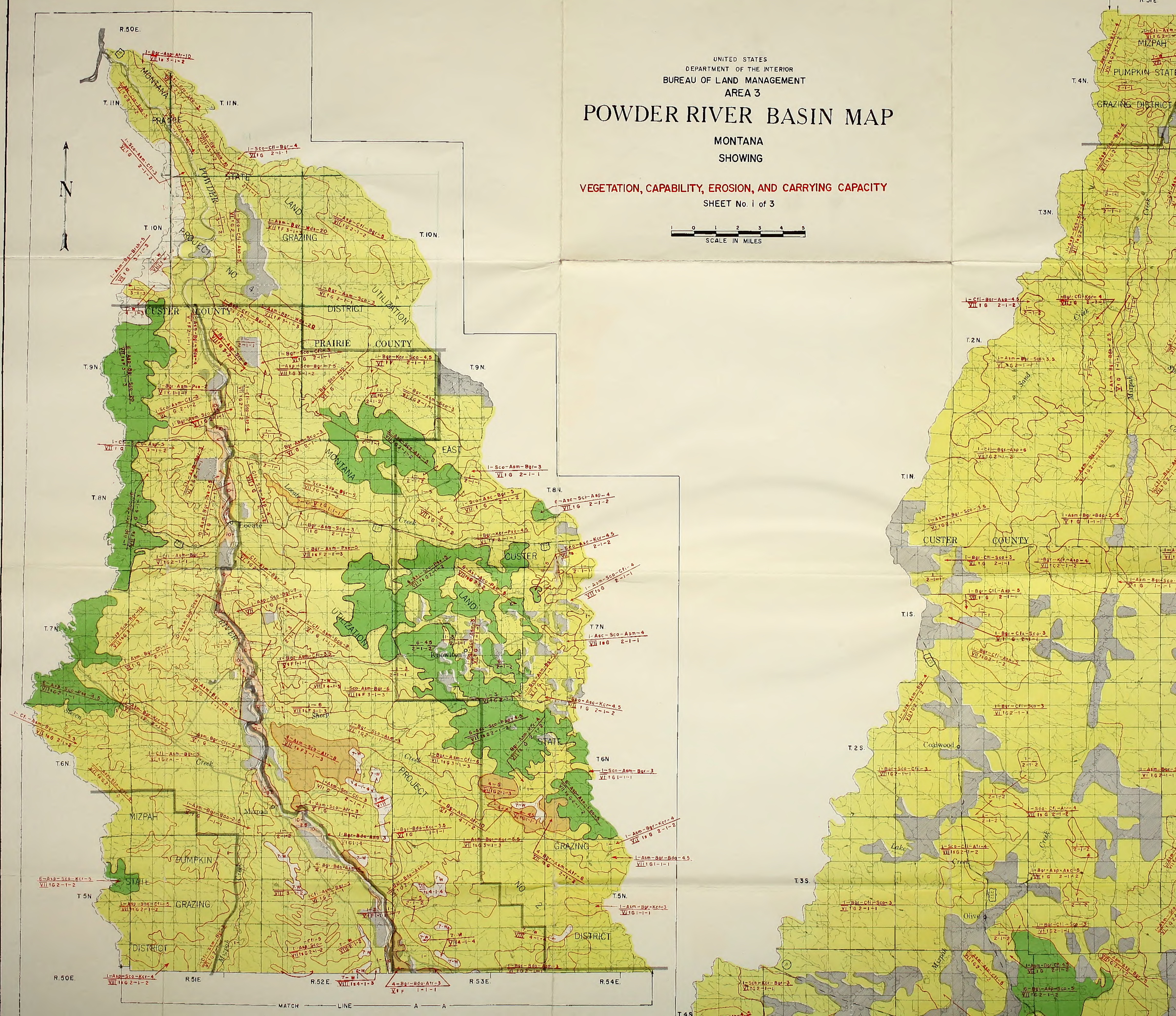
AREA 3

POWDER RIVER BASIN MAP

MONTANA
SHOWING

VEGETATION, CAPABILITY, EROSION, AND CARRYING CAPACITY

SHEET No. 1 of 3



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BASIN MAP

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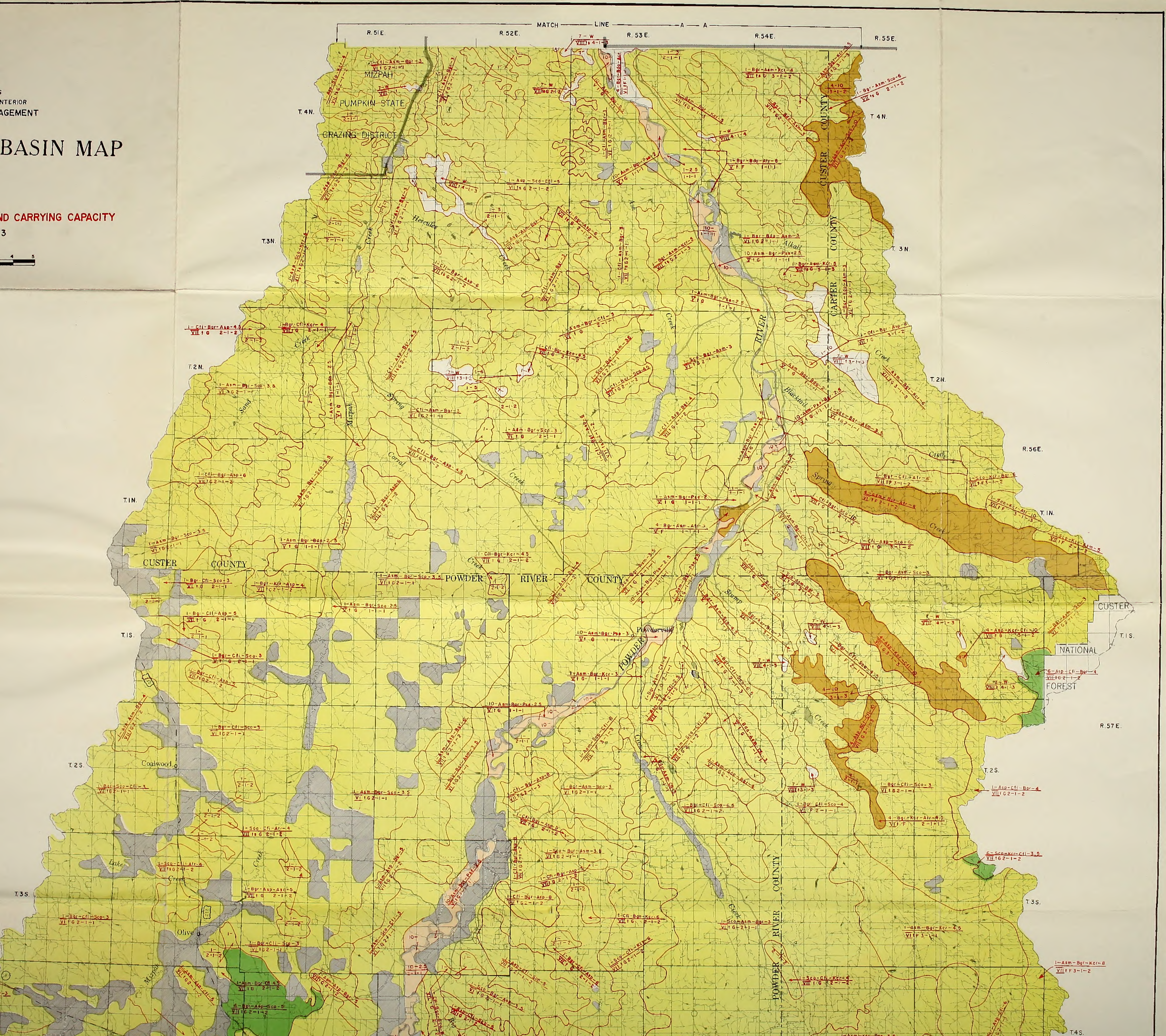
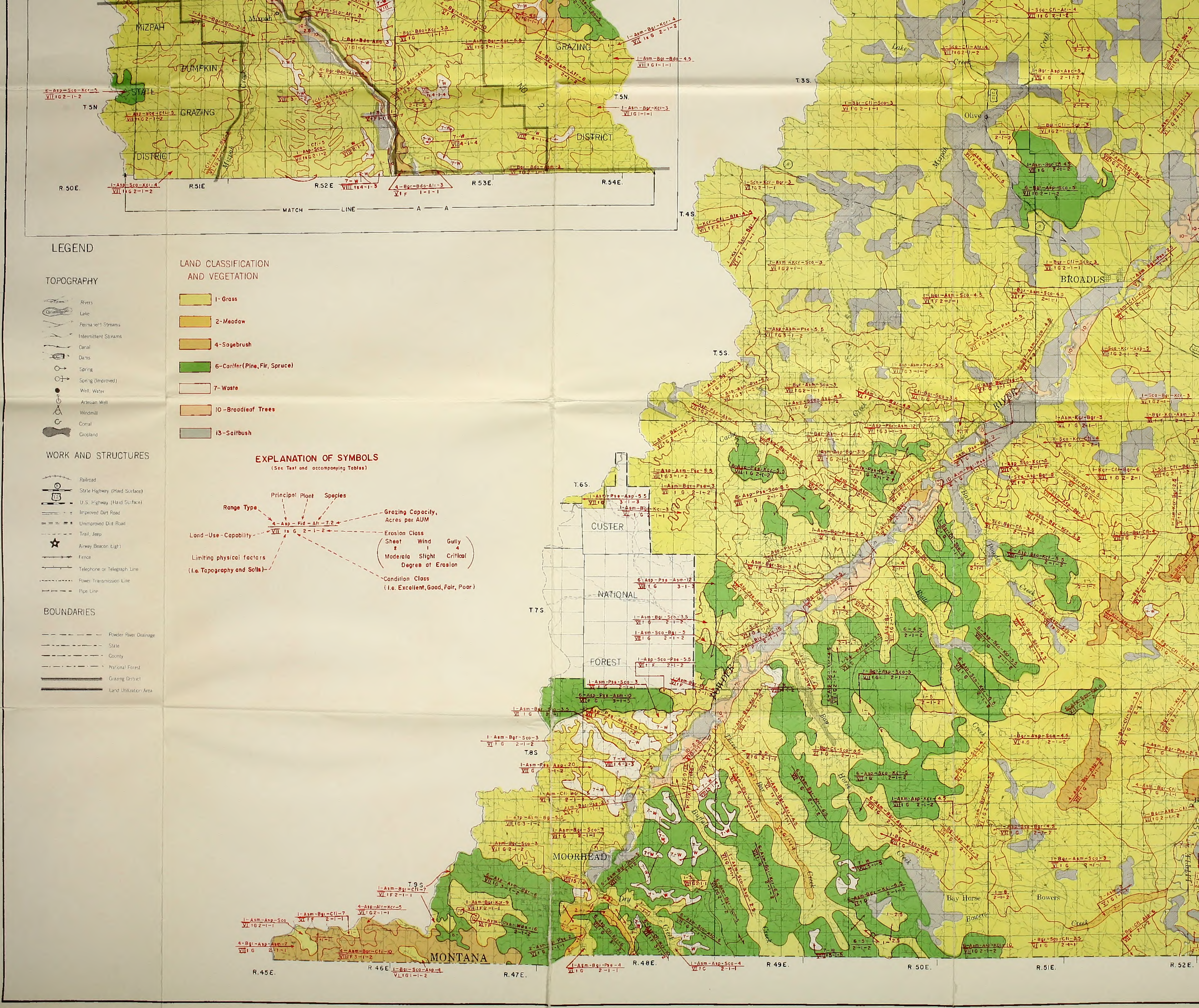
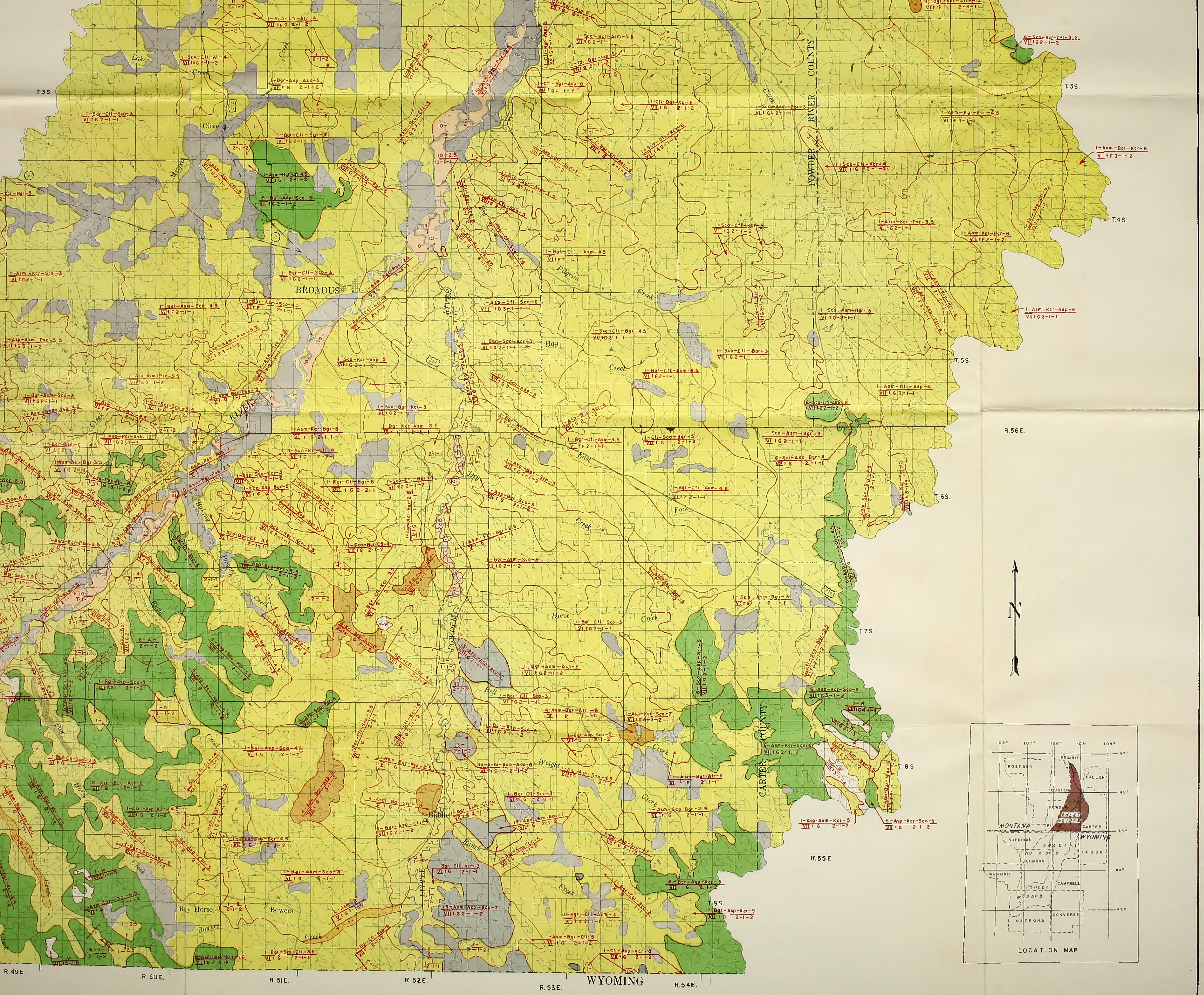
3




LEGEND
TOPOGRAPHY
Rivers
Lake
Permanent Streams
Intermittent Streams
Canal
Dams
Spring
Spring (Improved)
Well, Water
Artesian Well
Windmill
Corral
Cropland
WORK AND STRUCTURES
Railroad
State Highway (Hard Surface)
U.S. Highway (Hard Surface)
Improved Dirt Road
Unimproved Dirt Road
Trail, Jeep
Airway Beacon Light
Fence
Telephone or Telegraph Line
Power Transmission Line
Pipe Line
BOUNDARIES
Powder River Drainage
State
County
National Forest
Grazing District
Land Utilization Area
LAND CLASSIFICATION AND VEGETATION
1-Grass
2-Meadow
4-Sagebrush
6-Conifer (Pine, Fir, Spruce)
7-Waste
10-Broadleaf Trees
13-Saltbush
EXPLANATION OF SYMBOLS
(See Text and accompanying Tables)
Range Type
Principal Plant
Species
4-Asp-Fid-Afr-7.2
VII 1s G 2-1-2
Grazing Capacity, Acres per AUM
Land-Use-Capability
Erosion Class
Sheet 2 Wind 1 Gully 4
Moderate Slight Critical
Degree of Erosion
Limiting physical factors
(i.e. Topography and Soils)
Condition Class
(i.e. Excellent, Good, Fair, Poor)
MIZPAH
PUMPKIN
STATE
GRAZING
DISTRICT
NO. 2
Mizpah
T.5N.
R.50E.
R.51E
R.52E
R.53E.
R.54E.
MATCH LINE A A
T.3S.
T.4S.
T.5S.
T.6S.
T.7S.
T.8S.
T.9S.
Olive
BROADUS
Mizpah
Lake Creek
RIVER
POWDER
CUSTER
NATIONAL
FOREST
MOORHEAD
Bay Horse
Bowers
Bowers Creek
Dry Creek
MONTANA
R.45E.
R.46E.
R.47E.
R.48E.
R.49E.
R.50E.
R.51E.
R.52E.


T.3S.
T.4S.
T.5S.
T.6S.
T.7S.
T.8S.
T.9S.
R.49E.
R.50E.
R.51E.
R.52E.
R.53E.
R.54E.
R.55E.
R.56E.
WYOMING
POWDER RIVER COUNTY
CARTER COUNTY
BROADUS
Olive
Biddle
Bay Horse
Bowers
POWDER RIVER
LITTLE POWDER RIVER
Mizpah
Lake Creek
Pilgrim Creek
Hay Creek
East Fork
Dry Creek
Horse Creek
Bell Creek
Wright Creek
Ranch Creek
Bowers Creek
Bay Horse Creek
Bolang Creek
N
LOCATION MAP
MONTANA
WYOMING
ROSEBUD
PRAIRIE
FALLON
CUSTER
POWDER RIVER
CARTER
SHERIDAN
CROOK
JOHNSON
WASHAKIE
CAMPBELL
NATRONA
CONVERSE
SHEET NO. 3 OF 3
108°
107°
106°
105°
104°
47°
46°
45°
44°
43°

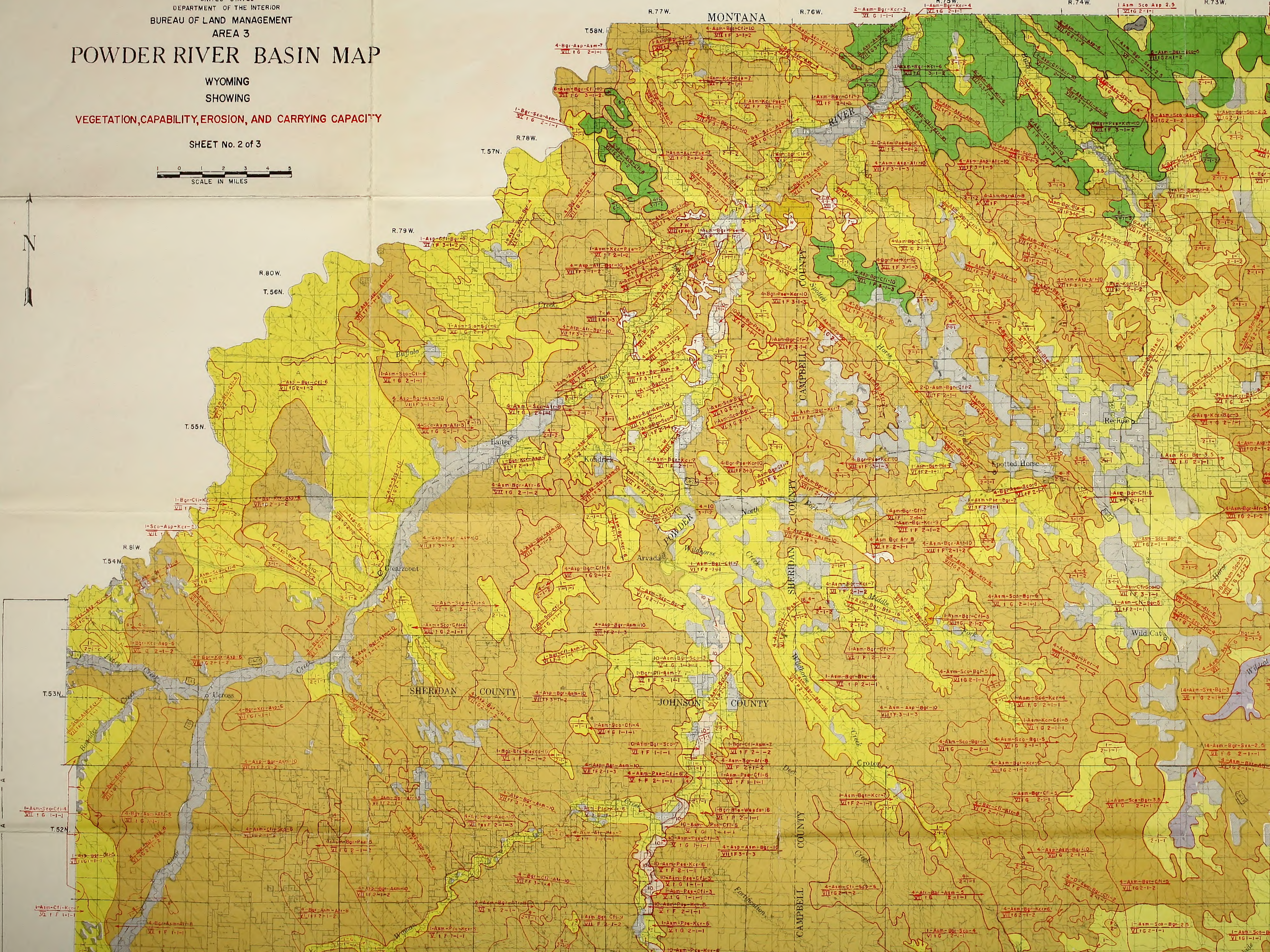
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
AREA 3

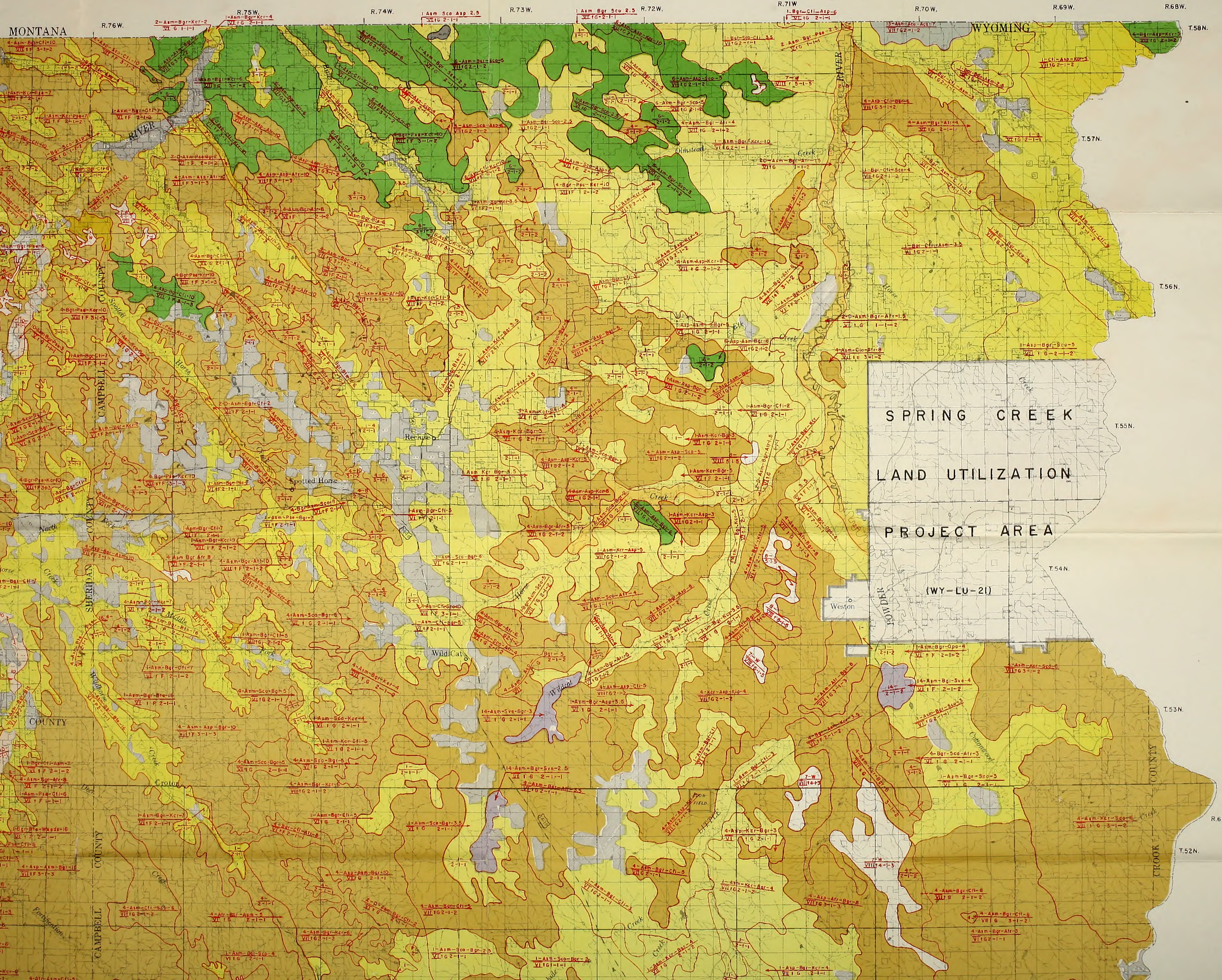
POWDER RIVER BASIN MAP

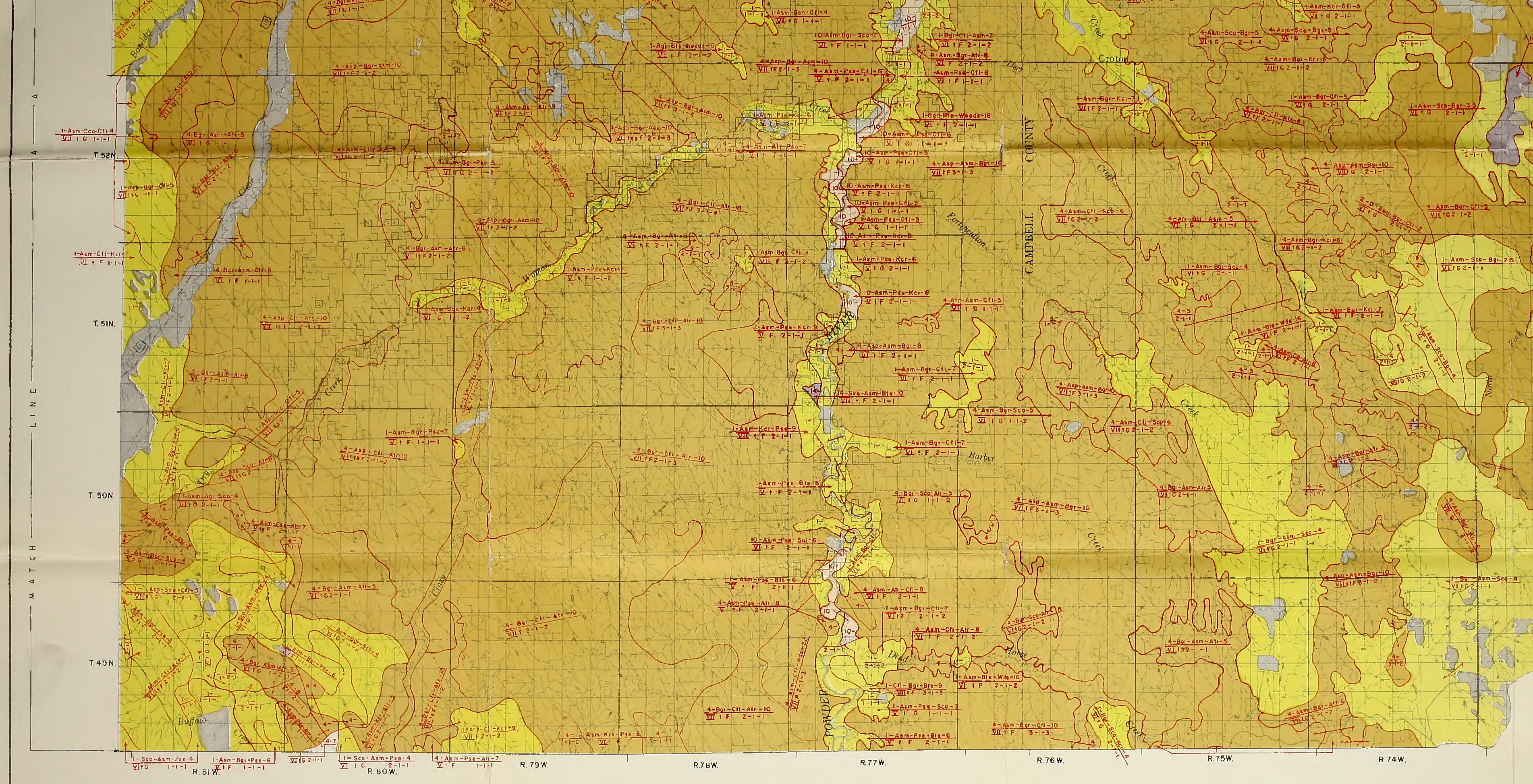
WYOMING
SHOWING

VEGETATION, CAPABILITY, EROSION, AND CARRYING CAPACITY

SHEET No. 2 of 3




MONTANA
WYOMING
R.76W.
R.75W.
R.74W.
R.73W.
R.72W.
R.71W
R.70W.
R.69W.
R.68W.
T.58N.
T.57N.
T.56N.
T.55N.
T.54N.
T.53N.
T.52N.
R.68W.
SPRING CREEK
LAND UTILIZATION
PROJECT AREA
(WY-LU-21)
RIVER
POWDER
Weston
Recluse
Spotted Horse
Wild Cat
Olmstead
Croton
CAMPBELL COUNTY
SHERIDAN COUNTY
COUNTY
CAMPBELL COUNTY
CROOK COUNTY
Creek
Elk Creek
North
Middle Fork
Horse
Wildcat
Cottonwood
Little
Spotted
Forbidden



LAND CLASSIFICATION AND VEGETATION

- 1 - Grass
- 2 - Meadow
- 4 - Sagebrush
- 6 - Conifer (Pine, Fir, Spruce)
- 7 - W - Waste
- 7 - T - Dense Timber (No Grazing Capacity)
- 10 - Broadleaf Trees
- 13 - Saltbush
- 14 - Greasewood

TOPOGRAPHY

- Rivers
- Lake
- Permanent Streams
- Intermittent Streams
- Canal
- Dams
- Spring
- Spring (Improved)
- Well, Water
- Artesian Well
- Windmill
- Corral
- Cropland

WORK AND STRUCTURES

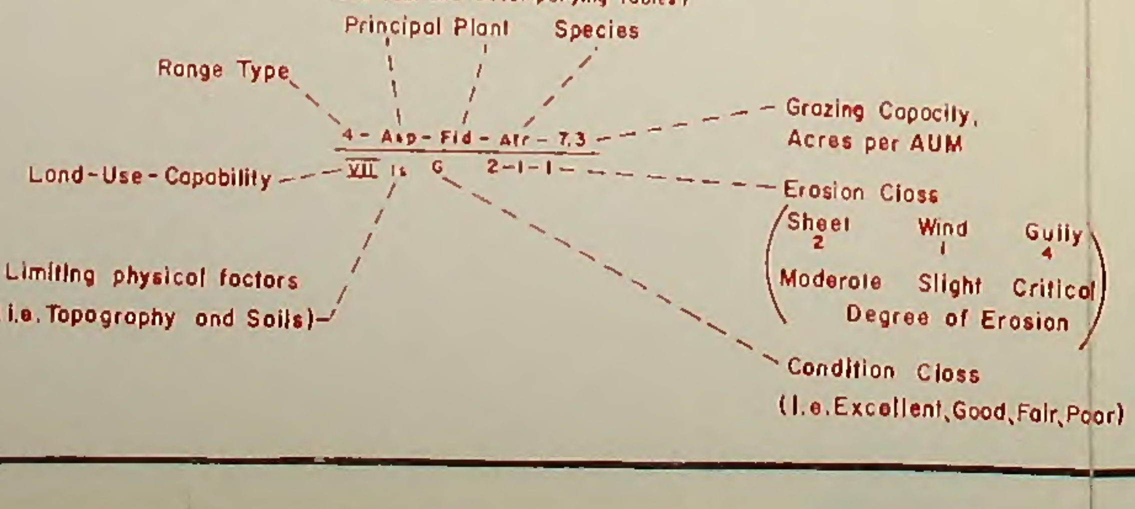
- Railroad
- State Highway (Hard Surface)
- U.S. Highway (Hard Surface)
- Improved Dirt Road
- Unimproved Dirt Road
- Trail, Jeep
- Airway Beacon Light
- Fence
- Telephone or Telegraph Line
- Power Transmission Line
- Pipe Line

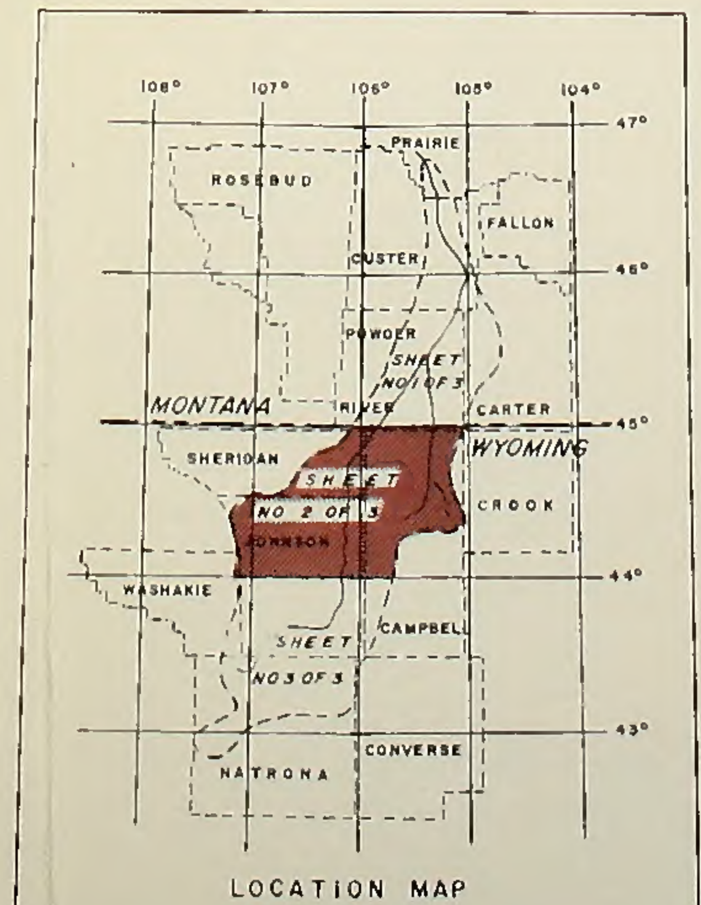
BOUNDARIES

- Powder River Drainage
- State
- County
- National Forest
- Land Utilization Area
- Oil Field

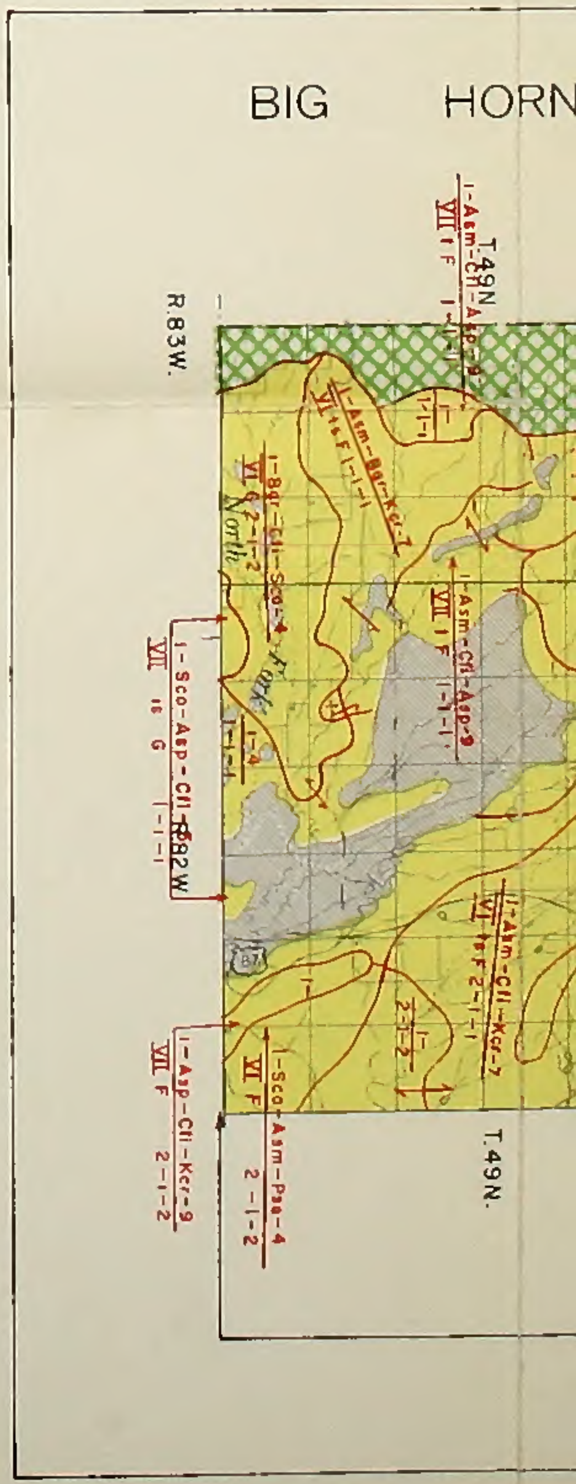
EXPLANATION OF SYMBOLS

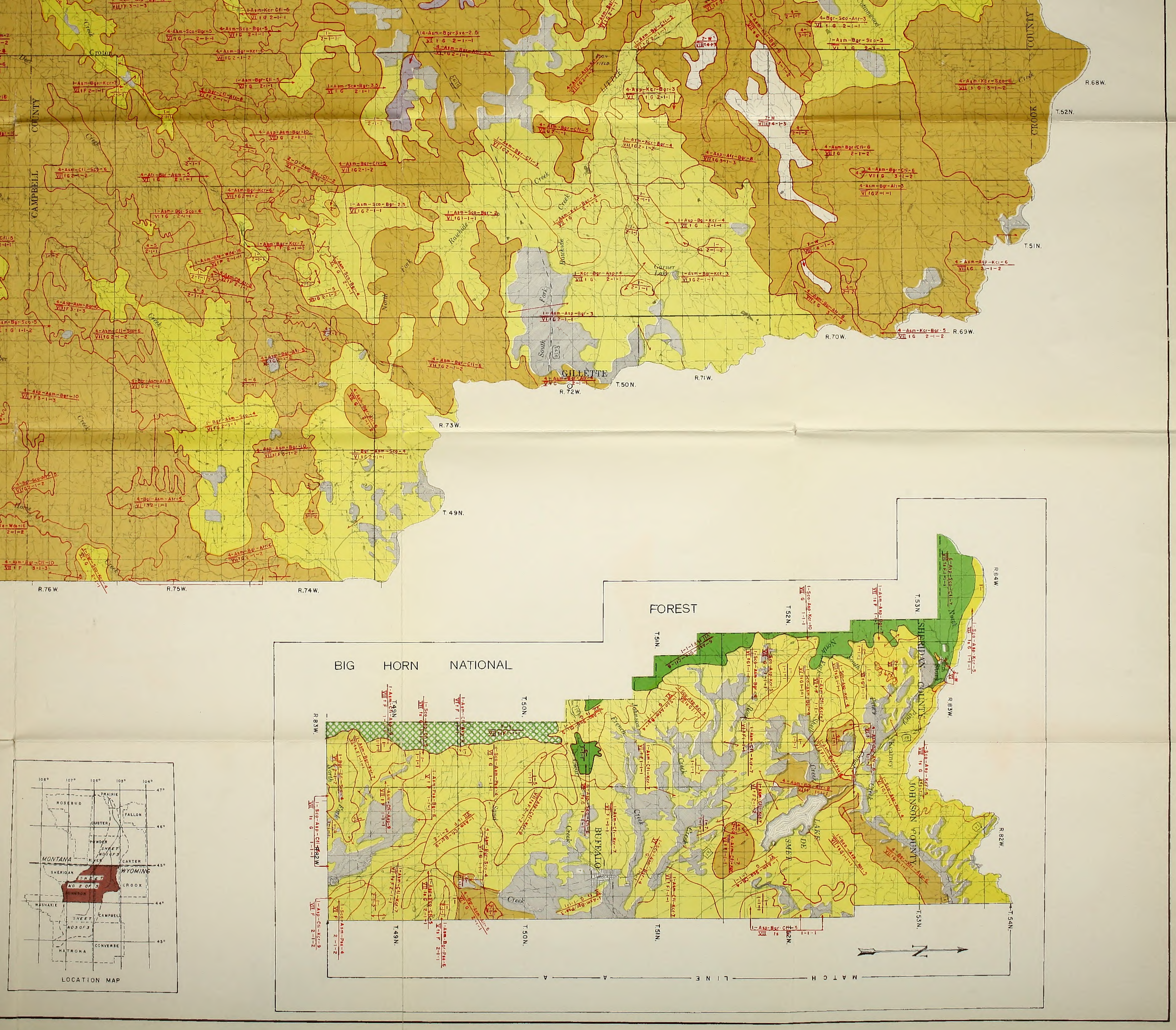
(See Text and accompanying Tables)





LOCATION MAP




CAMPBELL COUNTY
CROOK COUNTY
Croton
GILLETTE
Garner Lake
Rawhide Creek
North Fork
South Fork
R.68W.
R.69W.
R.70W.
R.71W.
R.72W.
R.73W.
R.74W.
R.75W.
R.76W.
T.49N.
T.50N.
T.51N.
T.52N.
BIG HORN NATIONAL FOREST
BUFFALO
LAKE DE SMET
Kearney
SHERIDAN COUNTY
JOHNSON COUNTY
R.82W.
R.83W.
R.84W.
T.53N.
T.54N.
N
MATCH LINE A — A
LOCATION MAP
MONTANA
WYOMING
ROSEBUD
PRAIRIE
FALLON
CUSTER
POWDER RIVER
CARTER
SHERIDAN
CROOK
JOHNSON
CAMPBELL
WASHAKIE
NATRONA
CONVERSE
SHEET NO 1 OF 3
SHEET NO 2 OF 3
SHEET NO 3 OF 3
108°
107°
106°
105°
104°
47°
46°
45°
44°
43°

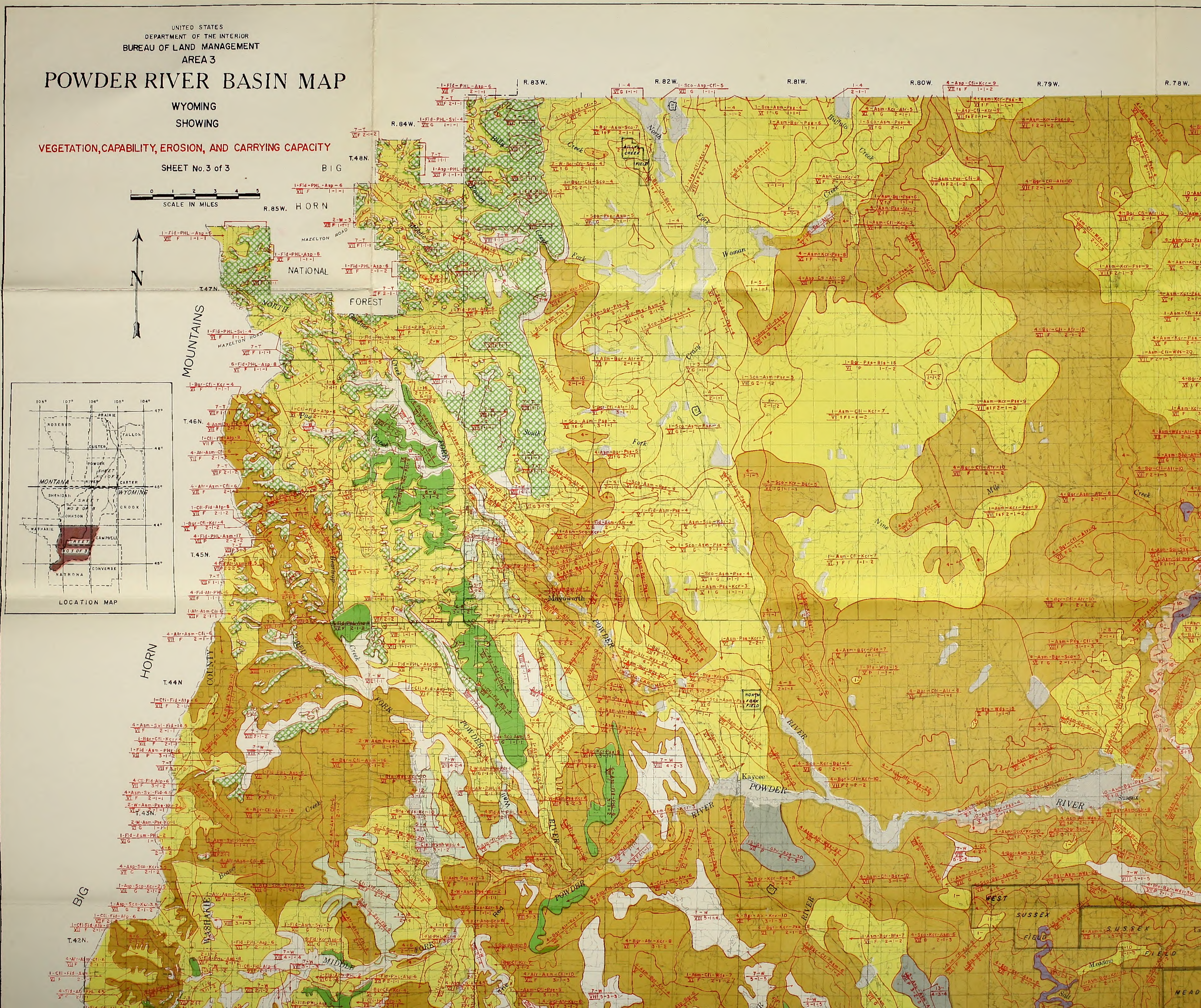
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
AREA 3

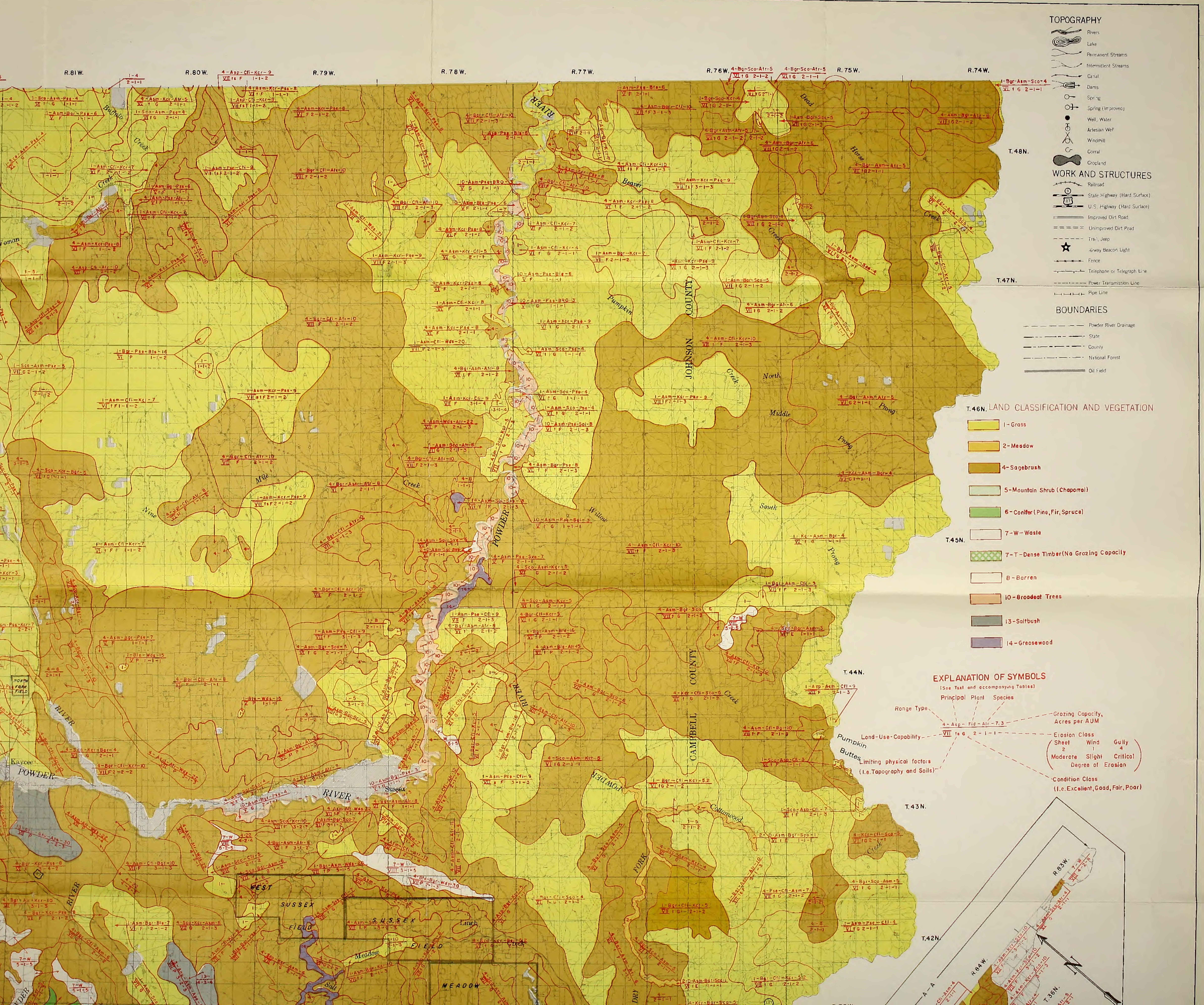
POWDER RIVER BASIN MAP

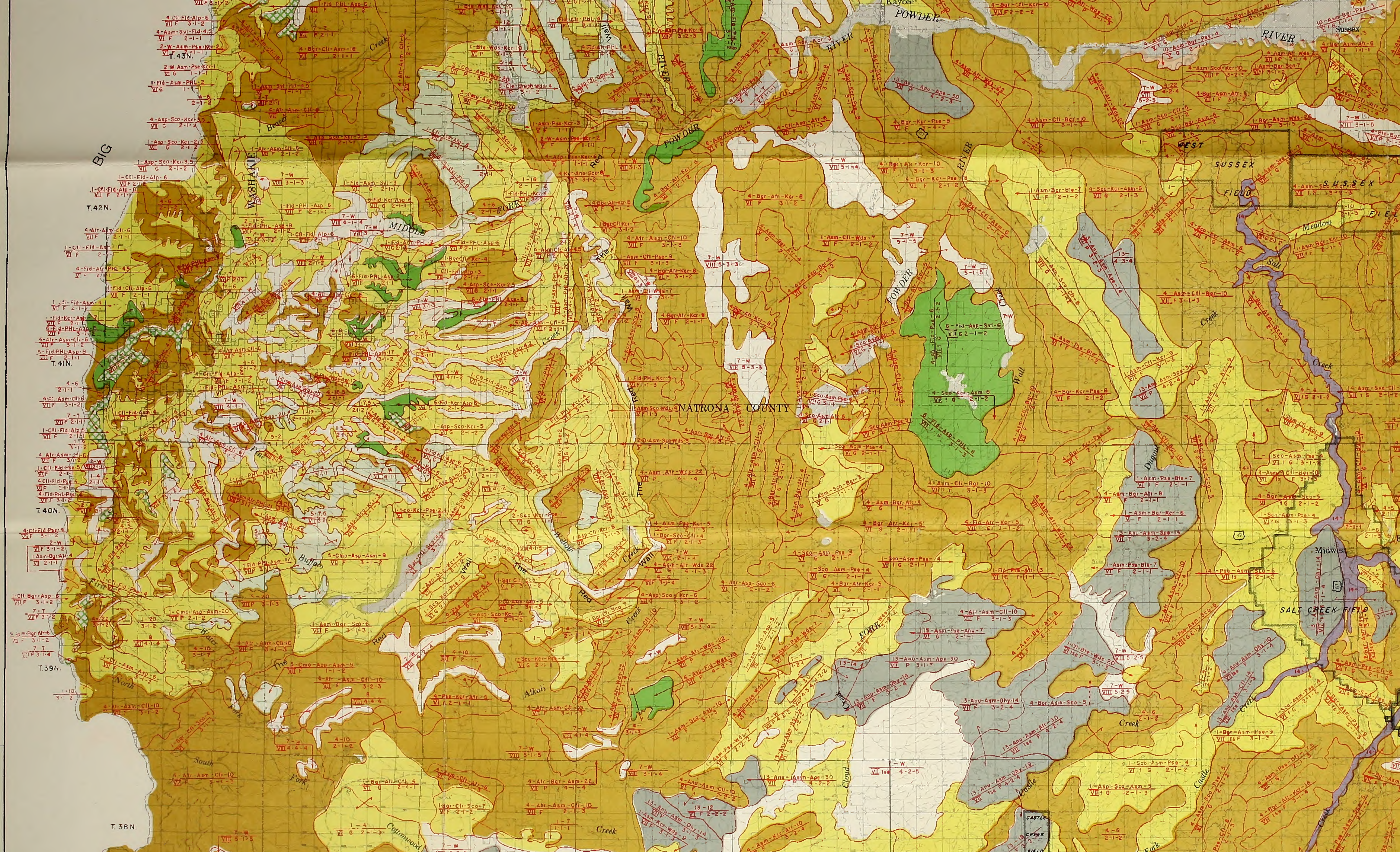
WYOMING
SHOWING

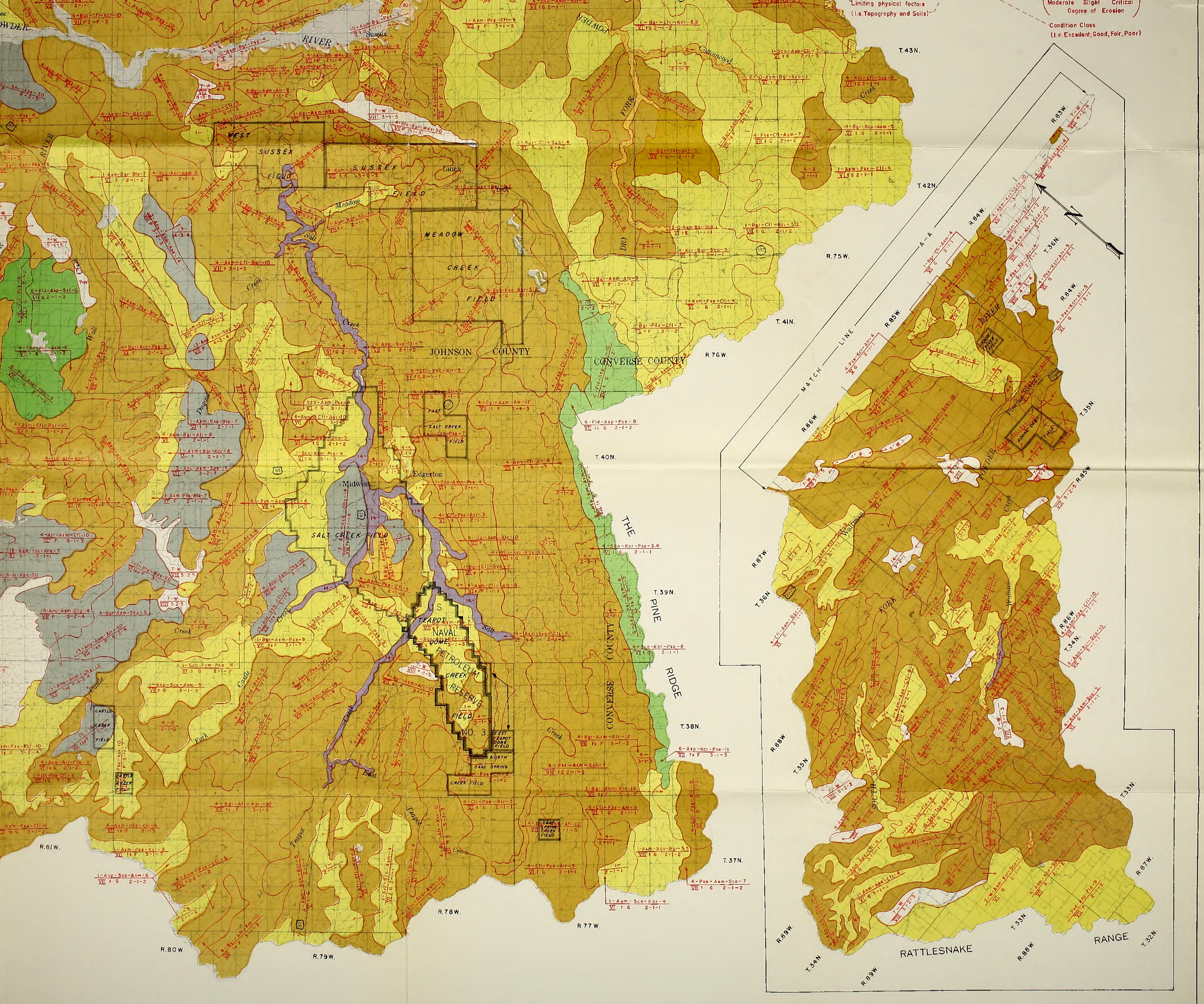
VEGETATION, CAPABILITY, EROSION, AND CARRYING CAPACITY

SHEET No. 3 of 3




TOPOGRAPHY
Rivers
Lake
Permanent Streams
Intermittent Streams
Canal
Dams
Spring
Spring (Improved)
Well, Water
Artesian Well
Windmill
Corral
Cropland
WORK AND STRUCTURES
Railroad
State Highway (Hard Surface)
U.S. Highway (Hard Surface)
Improved Dirt Road
Unimproved Dirt Road
Trail, Jeep
Airway Beacon Light
Fence
Telephone or Telegraph Line
Power Transmission Line
Pipe Line
BOUNDARIES
Powder River Drainage
State
County
National Forest
Oil Field
LAND CLASSIFICATION AND VEGETATION
1-Grass
2-Meadow
4-Sagebrush
5-Mountain Shrub (Chaparral)
6-Conifer (Pine, Fir, Spruce)
7-W-Waste
7-T-Dense Timber (No Grazing Capacity)
8-Barren
10-Broadleaf Trees
13-Saltbush
14-Greasewood
EXPLANATION OF SYMBOLS
(See Text and accompanying Tables)
Principal Plant Species
Range Type
4-Asp-Fid-Afr-7.3
Grazing Capacity, Acres per AUM
Land-Use-Capability
VII fs G 2-1-1
Erosion Class
Sheet 2 Wind 1 Gully 4
Moderate Slight Critical
Degree of Erosion
Limiting physical factors (i.e. Topography and Soils)
Condition Class (i.e. Excellent, Good, Fair, Poor)
R.81W.
R.80W.
R.79W.
R.78W.
R.77W.
R.76W.
R.75W.
R.74W.
T.48N.
T.47N.
T.46N.
T.45N.
T.44N.
T.43N.
T.42N.
R.83W.
R.84W.
T.36N.
A-A
N
POWDER RIVER
JOHNSON COUNTY
CAMPBELL COUNTY
Buffalo Creek
Beaver Creek
Pumpkin Creek
Dead Horse Creek
North Prong
Middle Prong
South Prong
Willow Creek
Nine Mile Creek
Pumpkin Buttes
Cottonwood Creek
Dry Fork
Kaycee
Sussex
West Sussex Field
Sussex Field
Meadow Creek
Meadow
North Fork Field
Salt Creek
Lynch


Kaycee
POWDER
RIVER
Sussex
RIVER
WEST
SUSSEX
FIELD
SUSSEX
FIELD
Meadow
Salt
Creek
BIG
T.43N.
T.42N.
T.41N.
T.40N.
T.39N.
T.38N.
T.37N.
WASHAKIE
Beaver
MIDDLE
FORK
POWDER
RIVER
Red
The
Wall
Buffalo
NATRONA COUNTY
POWDER
RIVER
Creek
Wall
Dugout
Midwest
SALT CREEK FIELD
North
Fork
The
South
Fork
Alkali
Creek
Cloud
Fork
Creek
Castle
CASTLE
CREEK
FIELD
CASTLE
CREEK
FIELD
Fork
Castle
Creek
Cottonwood
Creek
SOUTH
Creek
SAGTCHES
DOME
FIELD
ARMINTO
AND LOX
FIELD
Gate
Gulch
Teapot
East
R.86W.
R.85W.
R.84W.
R.83W
R.82W.
R.81W.
R.80W.
R.79W.
MATCH LINE A-A
6-Fid-Asp-Sxl-6
VII G 2-1-2
4-Sco-Kcr-Asm-6
13-Anu-Asm-Ape-30
13-Anu-Asm-Ohy-14
7-W
VIII 5-2-5
4-Atr-Asm-Cfl-10
VII F 3-1-3
1-Asm-Kcr-Wds-9
VII F 3-2-4
1-Asm-Pse-Kcr-10
4-Asm-Pse-Cfl-6
VII 1s G 2-1-3
1-Asp-Sco-Asm-6
VII 1 G 2-1-2
4-Bgr-Afr-Kcr-10
4-Asm-Sco-Atr-5
VI G 2-1-2
4-Asm-Sco-Atr-4
VI G 2-1-1
1-Sco-Asm-Atr-7
VII F 2-1-1
1-Sco-Asm-Atr-6
V F 2-1-2
4-Pse-Kcr-Atr-6
V G 2-1-1
4-Pse-Kcr-Atr-5
VI G 2-1-1
13-Asm-Anu-Ele-14
VII F 3-2-2
4-Asm-Kcr-Sco-10
4-Cfl-Atr-Asm-7
2-Cmo-Asp-Asm-20
5-Cmo-Asp-Asm-9
VII F 3-1-2
4-Atr-Asm-Cfl-10
1-Asm-Bgr-Kcr-6
1-Asm-Pse-Ble-7
1-Sco-Asm-Pse-4
4-Asm-Cfl-Bgr-10
VII F 3-1-3
1-Asm-Bgr-Ble-7
4-Sco-Kcr-Asm-6
VII G 2-1-3



DENVER DRAFTING OFFICE MAY 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
AREA 3

POWDER RIVER BASIN MAP

MONTANA
SHOWING

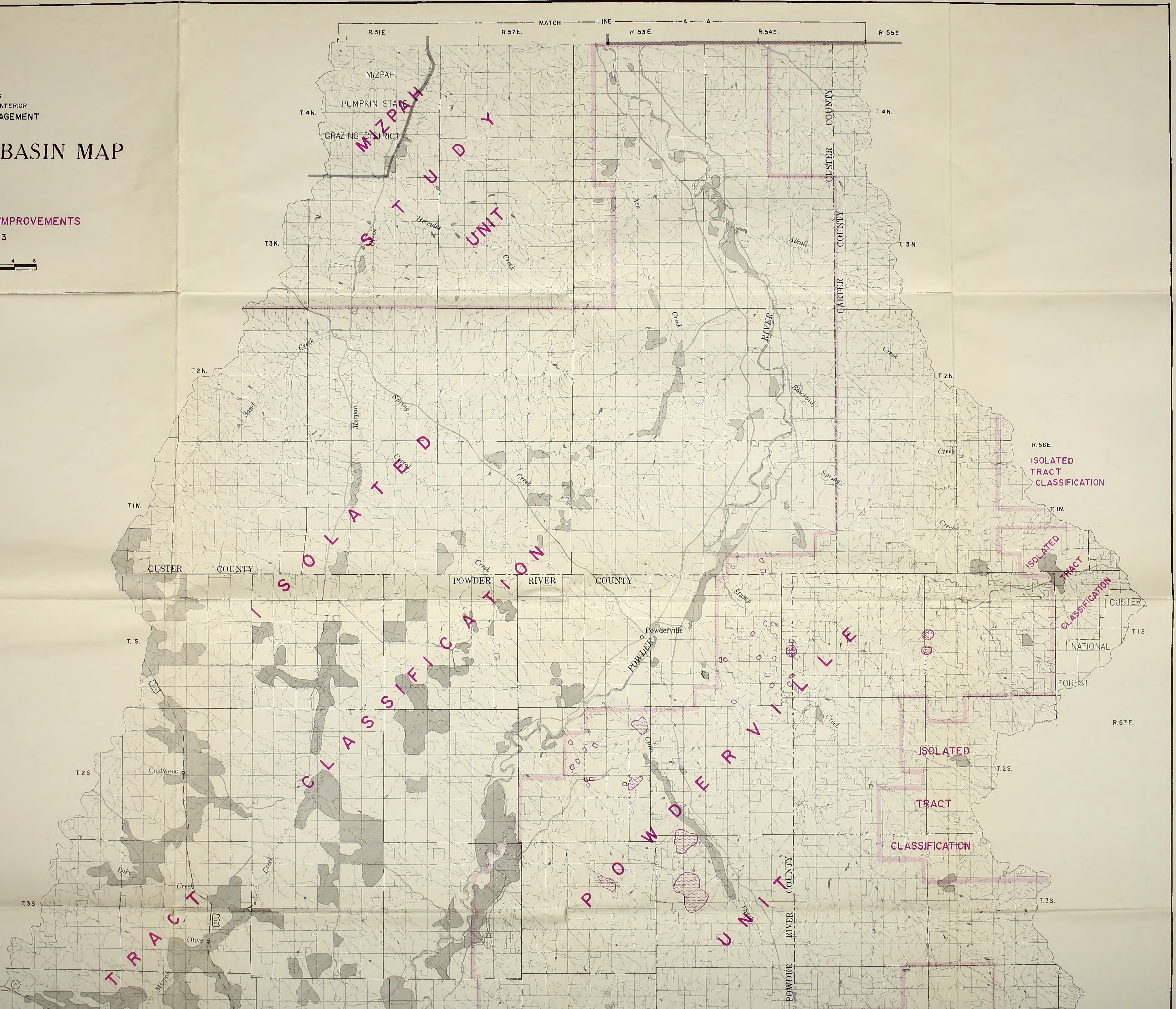
PROPOSED LAND USE AND IMPROVEMENTS
SHEET No. 1 of 3

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
AREA 3

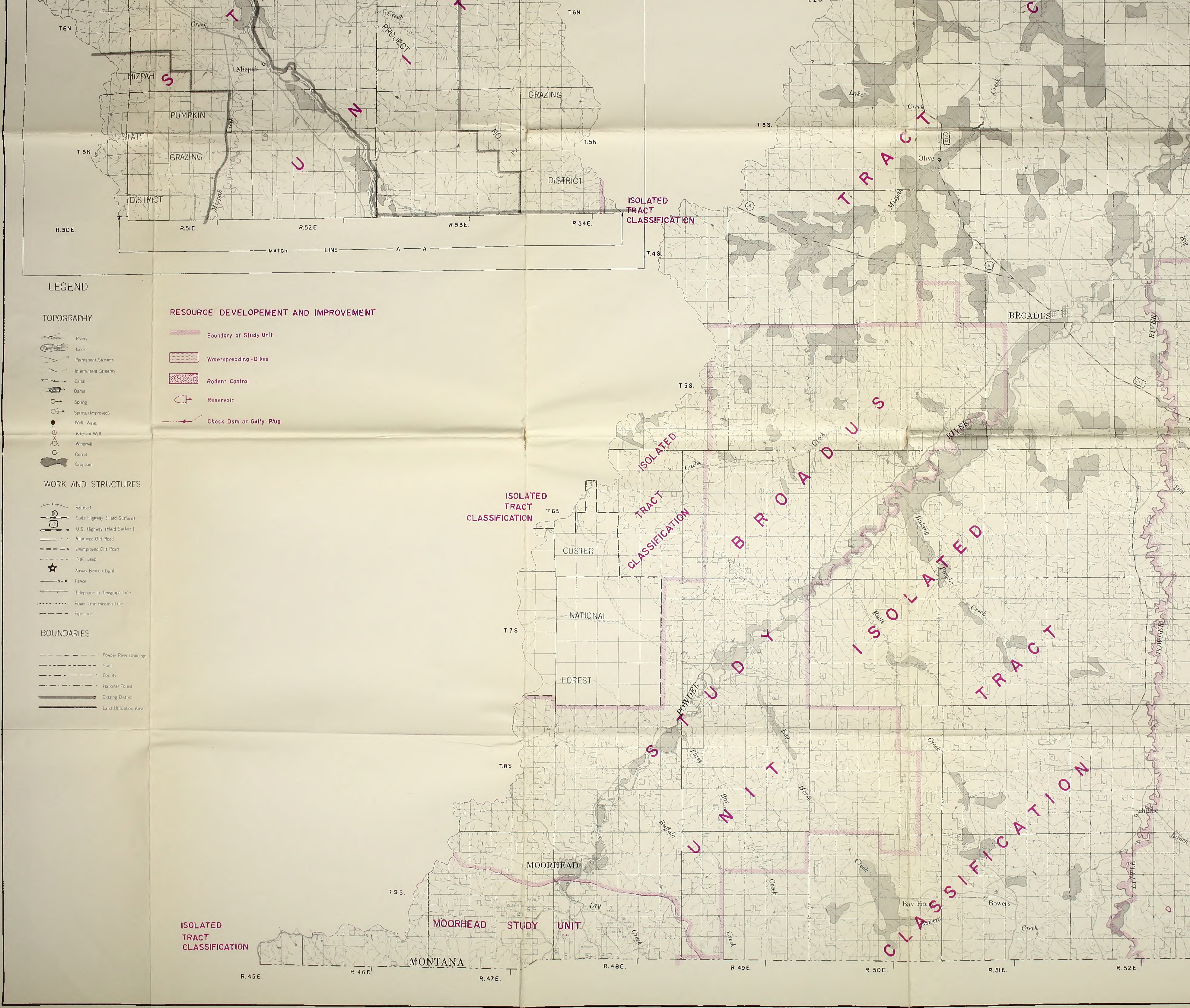
R RIVER BASIN MAP

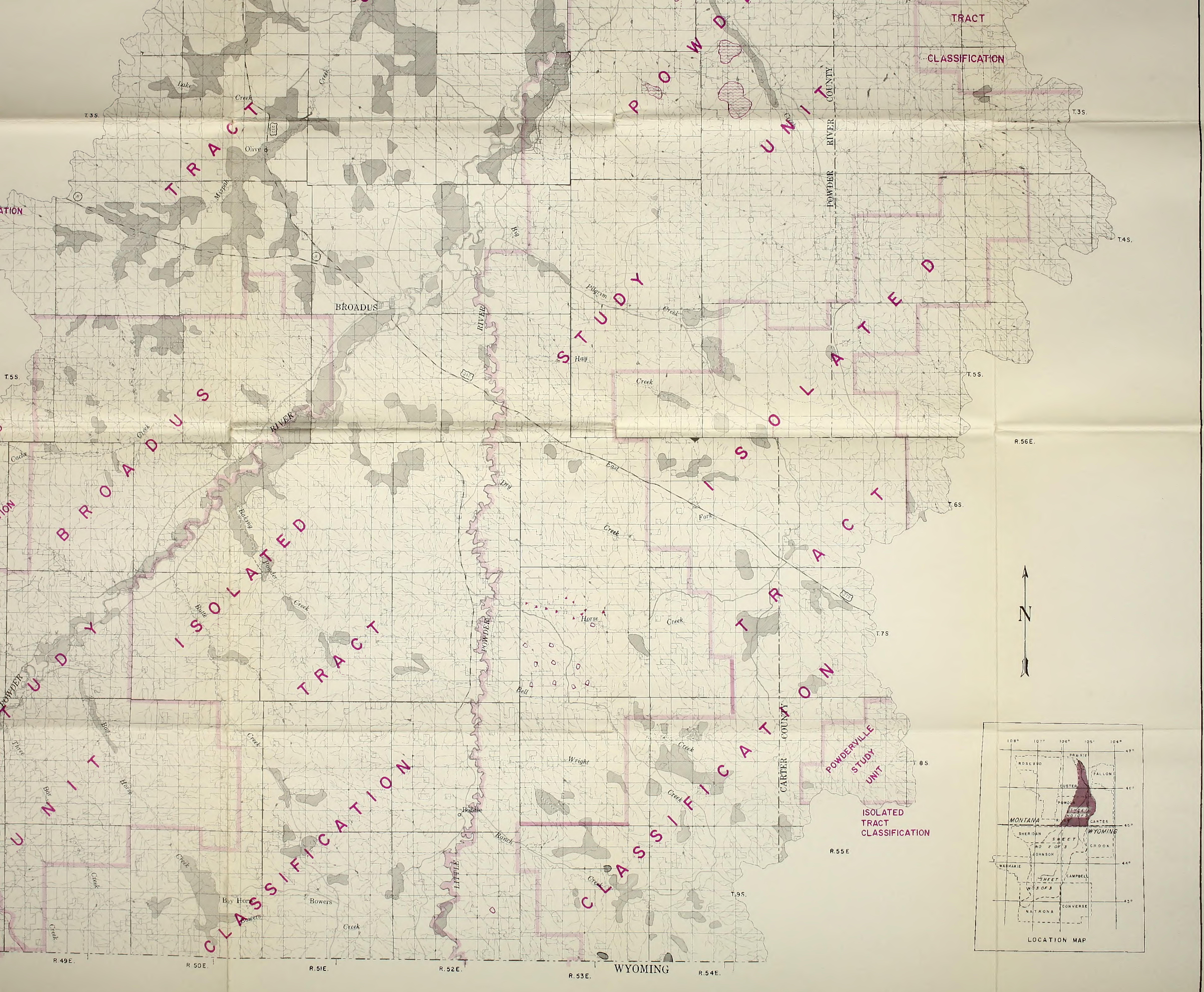
MONTANA
SHOWING
D LAND USE AND IMPROVEMENTS
SHEET No. 1 of 3

1 0 1 2 3 4 5
SCALE IN MILES



OLATED
ACT
ASSIFICATION


T6N.
Creek
MIZPAH
Mizpah
PUMPKIN
STATE
GRAZING
DISTRICT
T 5N
Mizpah
Creek
PROJECT
GRAZING
NO 2
DISTRICT
T6N
T.5N
S T U N I T
R.50E.
R.5IE
R.52E
R.53E.
R.54E.
MATCH LINE A A
ISOLATED TRACT CLASSIFICATION
LEGEND
TOPOGRAPHY
Rivers
Lake
Permanent Streams
Intermittent Streams
Canal
Dams
Spring
Spring (Improved)
Well, Water
Artesian Well
Windmill
Corral
Cropland
WORK AND STRUCTURES
Railroad
State Highway (Hard Surface)
U.S. Highway (Hard Surface)
Improved Dirt Road
Unimproved Dirt Road
Trail, Jeep
Airway Beacon Light
Fence
Telephone or Telegraph Line
Power Transmission Line
Pipe Line
BOUNDARIES
Powder River Drainage
State
County
National Forest
Grazing District
Land Utilization Area
RESOURCE DEVELOPEMENT AND IMPROVEMENT
Boundary of Study Unit
Waterspreading - Dikes
Rodent Control
Reservoir
Check Dam or Gully Plug
T.3S.
Lake
Creek
Olive
Mizpah
T R A C T
T.4S.
BROADUS
RIVER
Big
T.5S.
S U D A O R B
ISOLATED TRACT CLASSIFICATION
Cache
Creek
RIVER
T.6S.
CUSTER
NATIONAL
FOREST
T.7S.
T.8S
Boxing
Powder
Butte
Creek
ISOLATED TRACT
Dry
POWDER
RIVER
S T U D Y
U N I T
Three
Bay
Horse
Buffalo
Creek
Creek
Creek
CLASSIFICATION
Bay Horse
Bowers
Bowers
Creek
Biddle
Ranch
LITTLE
MOORHEAD
T.9S.
Dry
Creek
ISOLATED TRACT CLASSIFICATION
MOORHEAD STUDY UNIT
MONTANA
R.45E.
R.46E.
R.47E.
R.48E.
R.49E.
R.50E.
R.5IE.
R.52E.


TRACT
CLASSIFICATION
POWD
UNIT
POWDER RIVER COUNTY
T.3S.
T.4S.
T.5S.
T.6S.
T.7S
T.8S
T.9S.
ATION
TRACT
Lake
Creek
Olive
Mizpah
Creek
BROADUS
Big
Pilgrim
Creek
STUDY
ISOLATED
Hay
Creek
BROADUS
STUDY
UNIT
ISOLATED
TRACT
CLASSIFICATION
RIVER
Cache
Creek
Bokyng
Powder
Butte
Creek
RIVER
Dry
East
Fork
Creek
Horse
Creek
Bell
POWDER
LITTLE
Biddle
Ranch
Wright
Creek
Creek
Box
Three
Bar
Horse
Creek
Creek
Creek
Box Horse
Bowers
Bowers
Creek
ISOLATED
TRACT
CLASSIFICATION
CARTER COUNTY
POWDERVILLE STUDY UNIT
ISOLATED
TRACT
CLASSIFICATION
R.49E.
R.50E.
R.51E.
R.52E.
R.53E.
WYOMING
R.54E.
R.55E
R.56E.
N
108°
107°
106°
105°
104°
47°
46°
45°
44°
43°
ROSEBUD
PRAIRIE
FALLON
CUSTER
POWDER
RIVER
SHEET NO 1 OF 3
MONTANA
CARTER
WYOMING
SHERIDAN
SHEET NO 2 OF 3
CROOK
JOHNSON
WASHAKIE
CAMPBELL
SHEET NO 3 OF 3
CONVERSE
NATRONA
LOCATION MAP

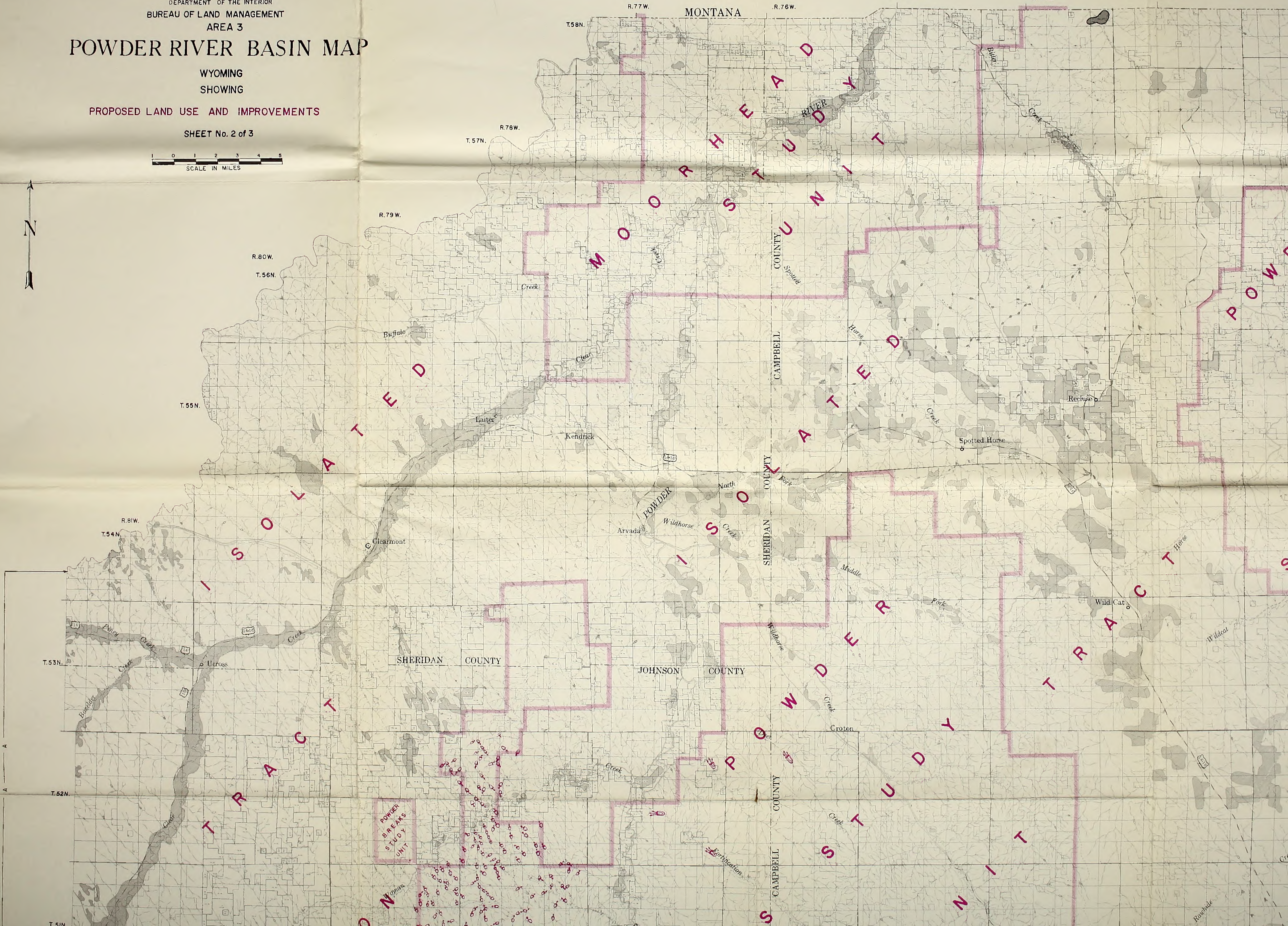
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
AREA 3

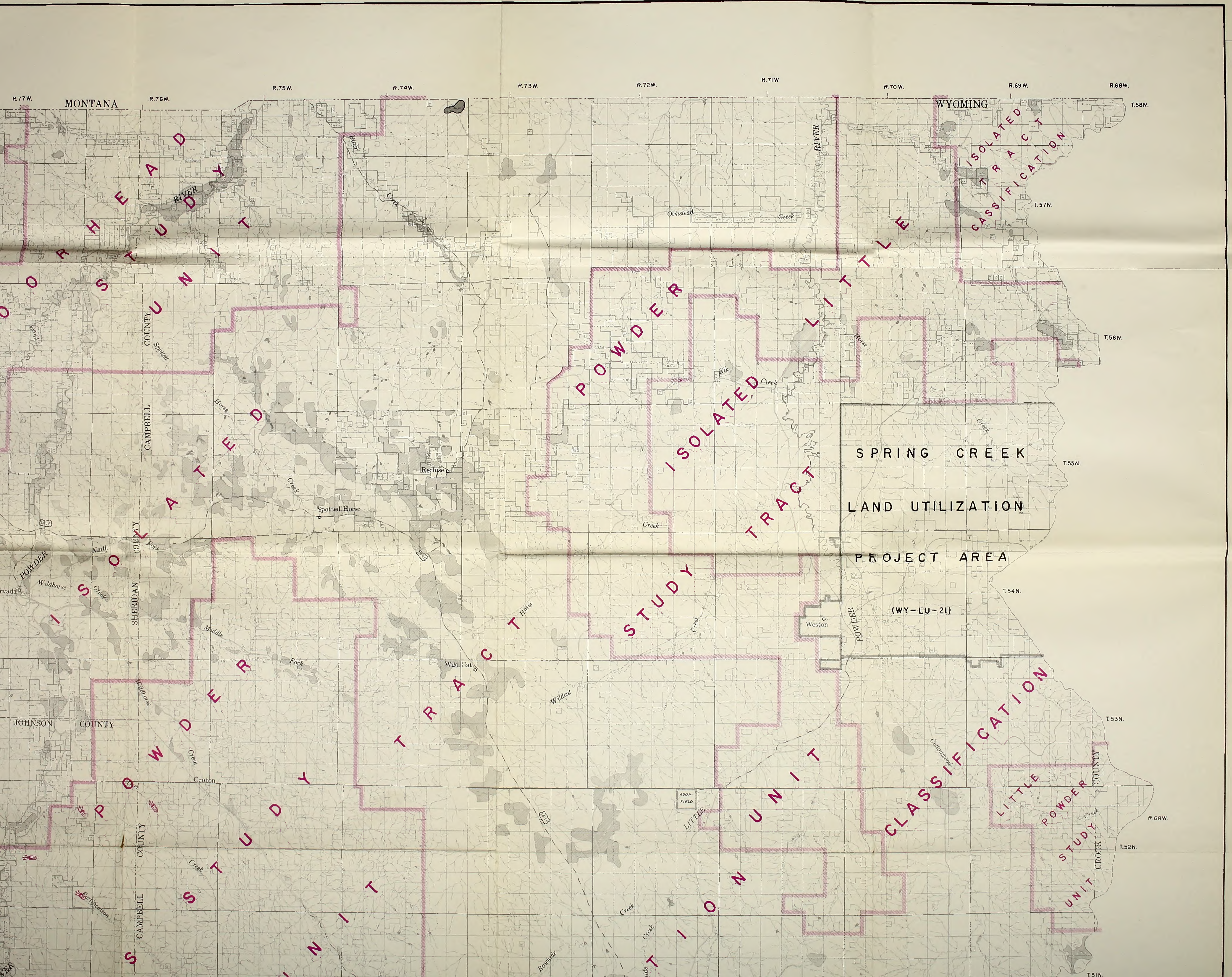
POWDER RIVER BASIN MAP

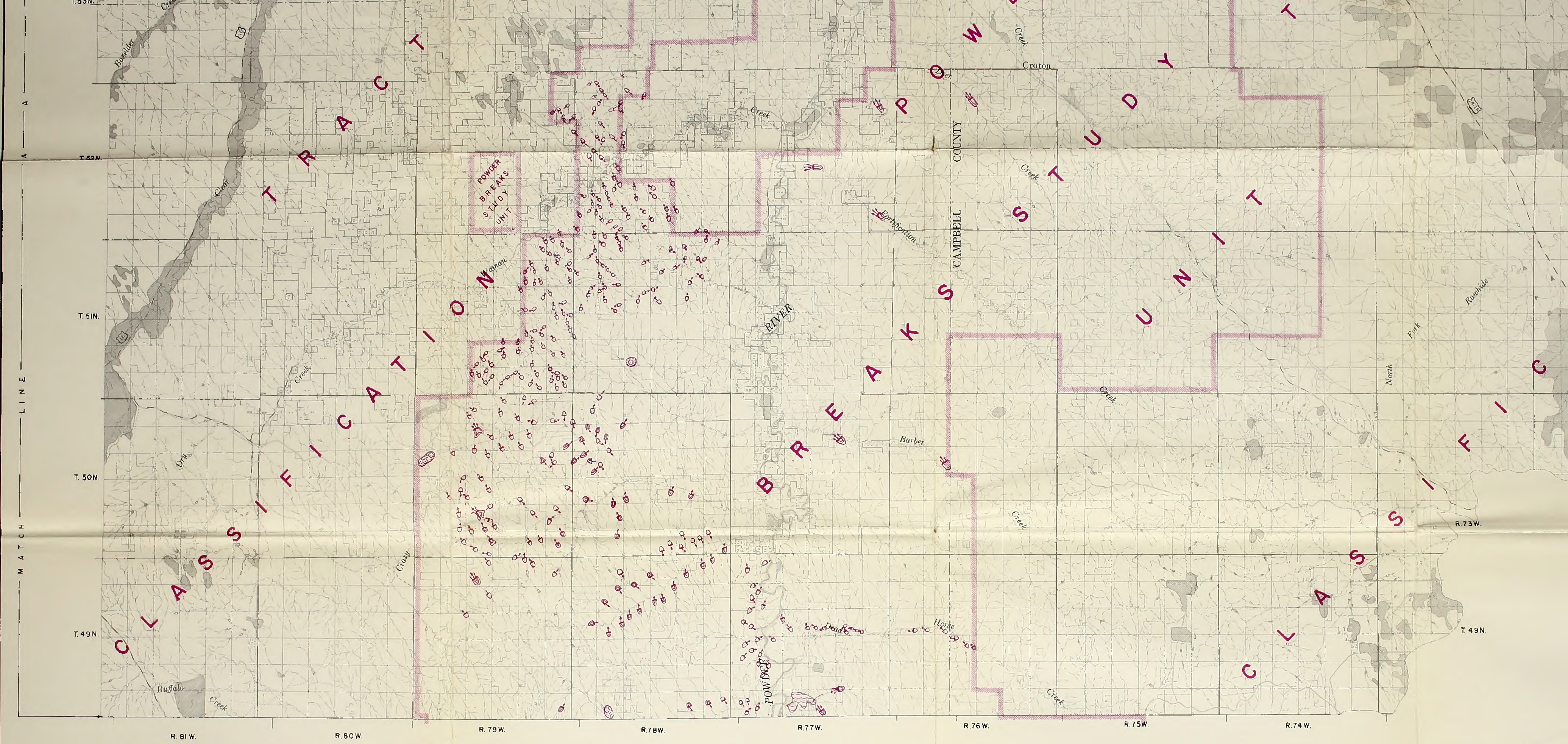
WYOMING
SHOWING

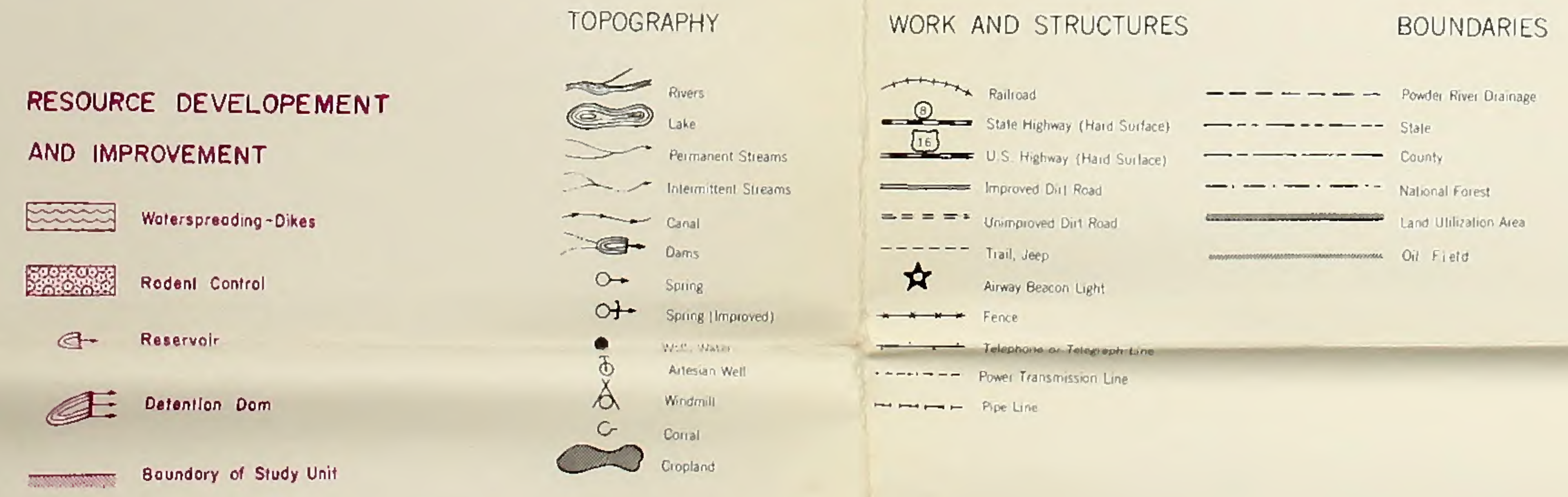
PROPOSED LAND USE AND IMPROVEMENTS

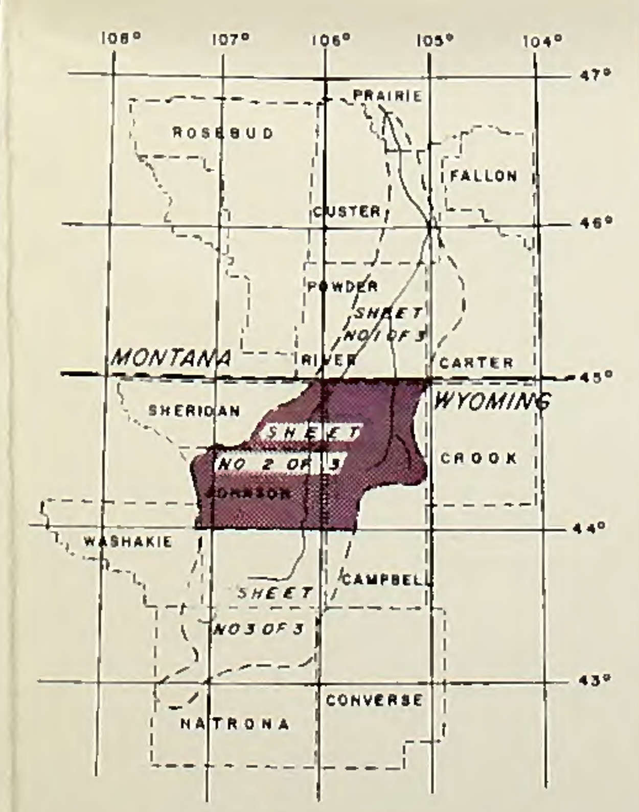
SHEET No. 2 of 3



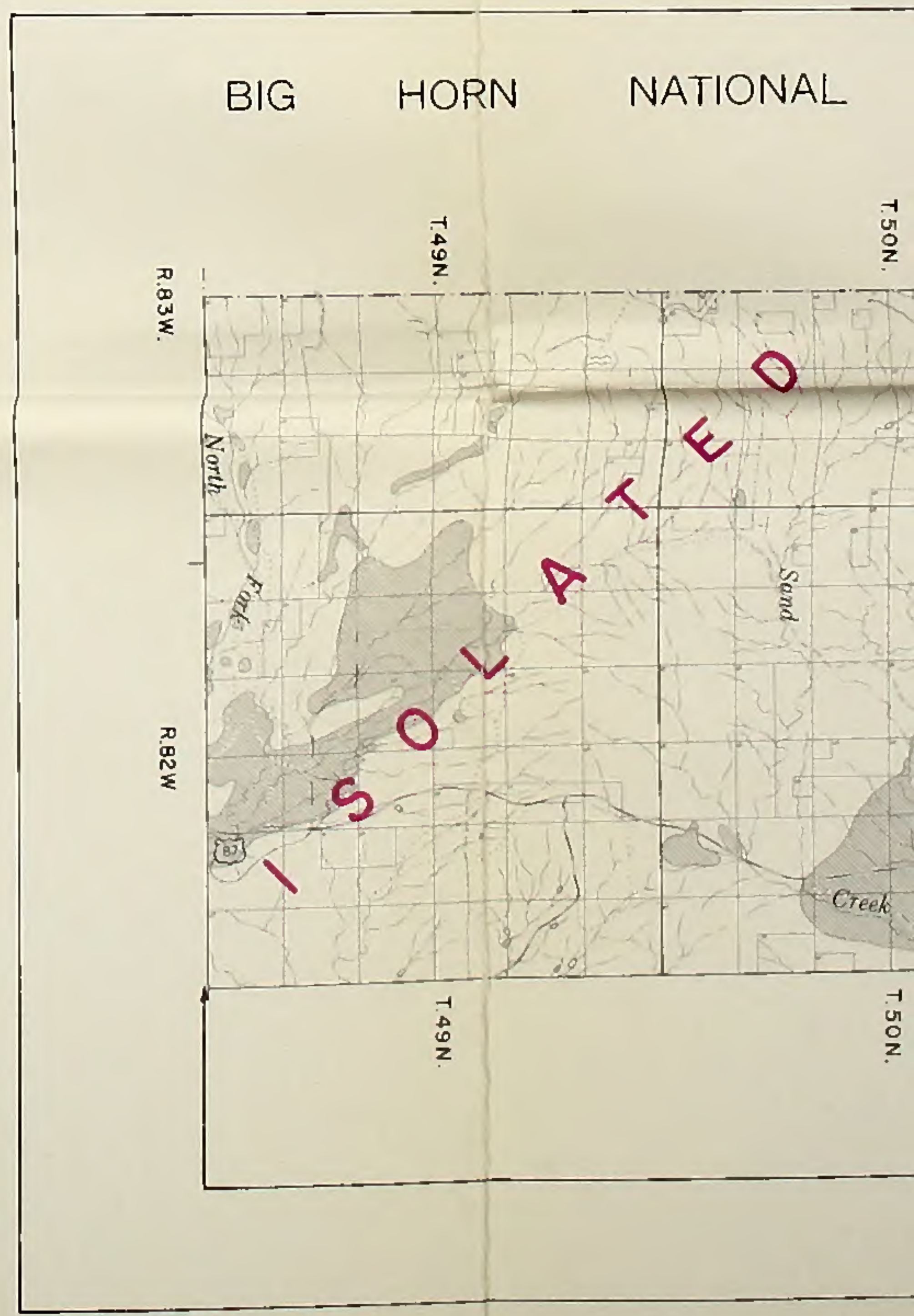

R.77W.
MONTANA
R.76W.
R.75W.
R.74W.
R.73W.
R.72W.
R.71W.
R.70W.
R.69W.
R.68W.
WYOMING
T.58N.
T.57N.
T.56N.
T.55N.
T.54N.
T.53N.
T.52N.
T.51N.
R.68W.
ORHEAD STUDY UNIT
RIVER
Bitter Creek
Olmstead Creek
RIVER
ISOLATED TRACT CLASSIFICATION
POWDER
LITTLE
ISOLATED STUDY TRACT
Elk Creek
Horse
SPRING CREEK
LAND UTILIZATION
PROJECT AREA
(WY-LU-21)
Weston
POWDER
CAMPBELL COUNTY
Spotted
Horse Creek
Recluse
Spotted Horse
ISOLATED POWDER STUDY TRACT
Creek
POWDER
North Fork
Wildhorse Creek
Arvada
SHERIDAN COUNTY
Middle Fork
Wild Cat
Wildcat
Horse
JOHNSON COUNTY
Wildhorse
Creek
Croton
POWDER STUDY UNIT
ADON FIELD
LITTLE
CLASSIFICATION UNIT
Cottonwood
LITTLE POWDER STUDY UNIT
Creek
CROOK COUNTY
CAMPBELL COUNTY
Creek
Creek
Rawhide
Creek

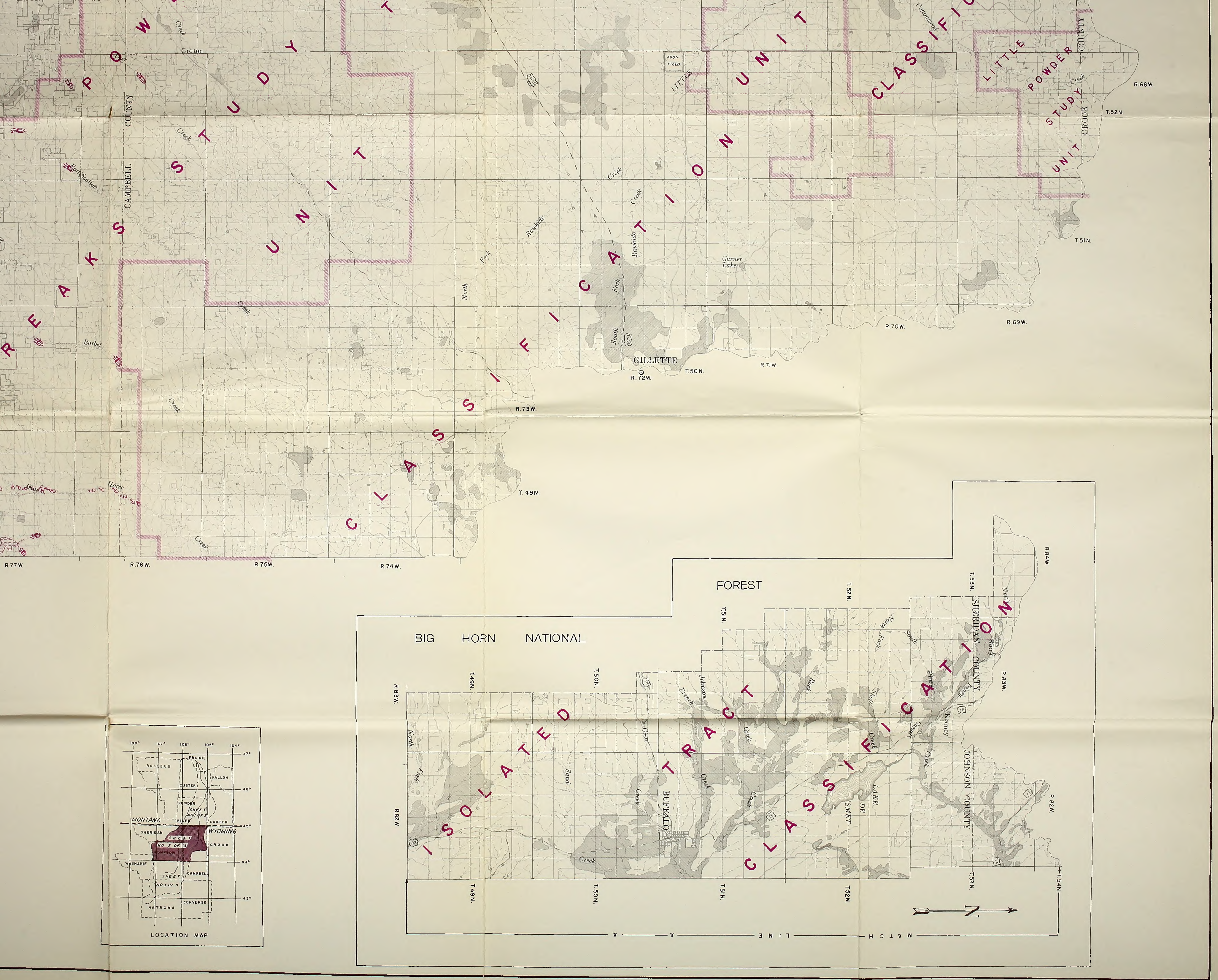






LOCATION MAP

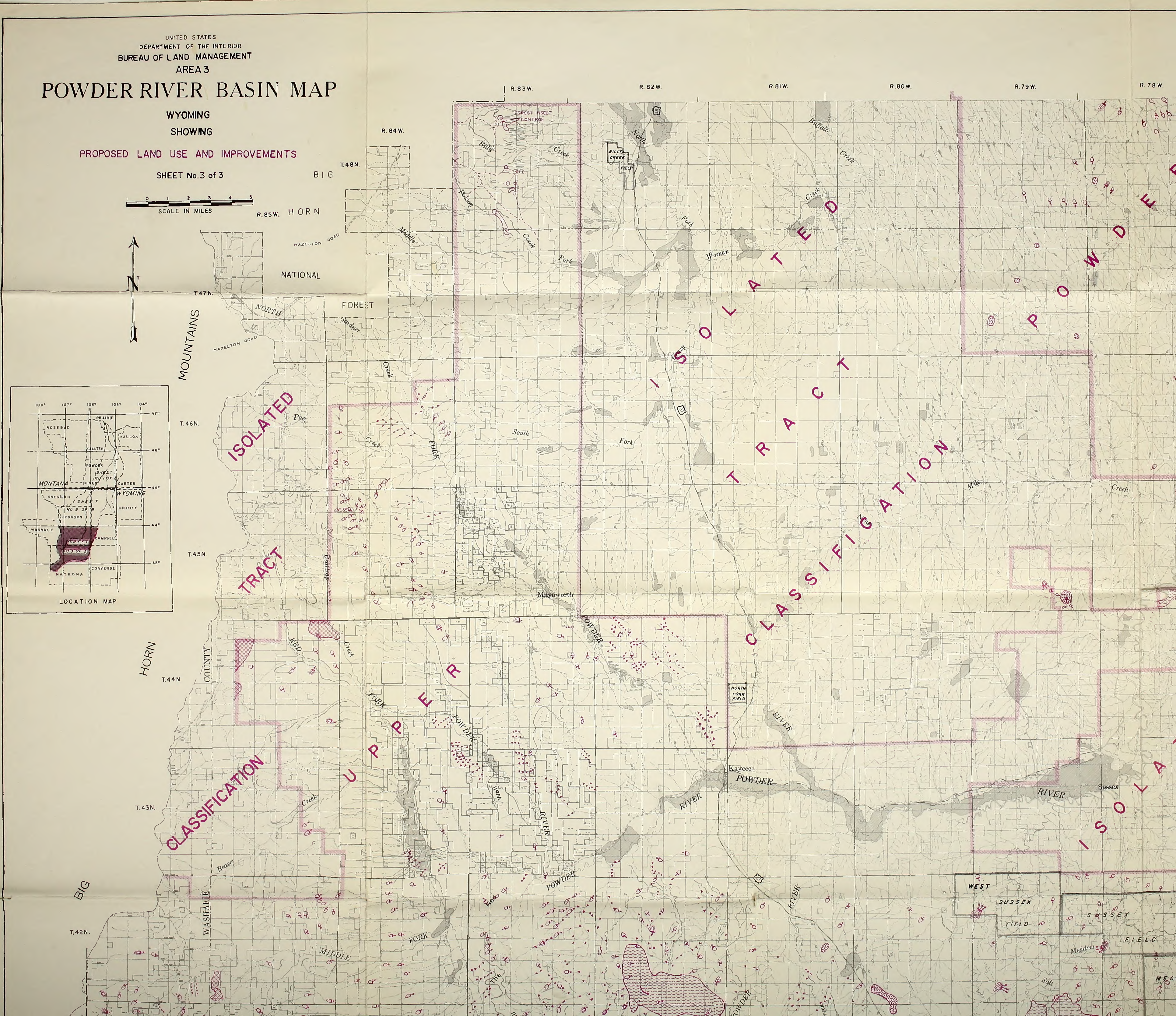


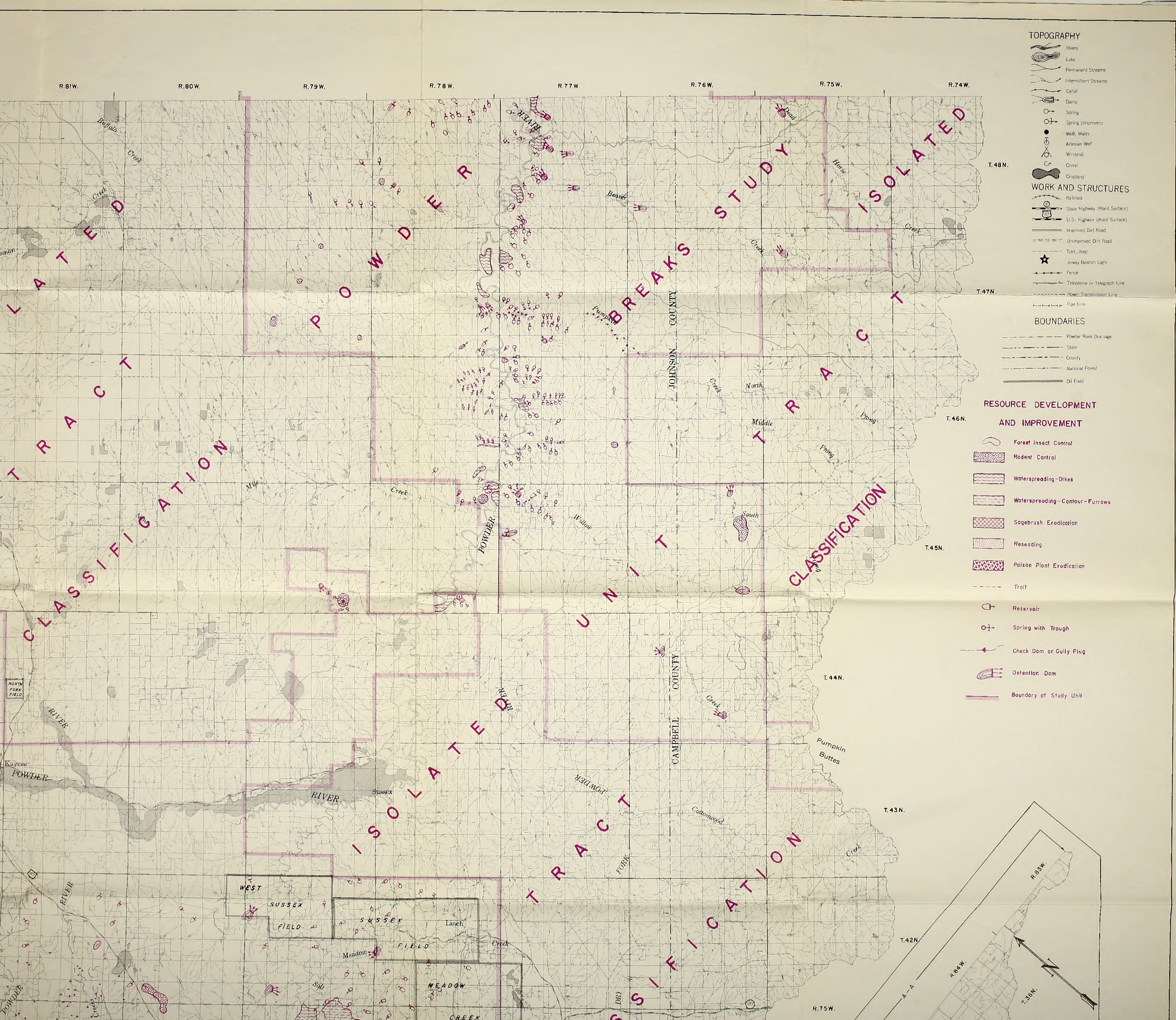

POWDER RIVER BREAKS STUDY UNIT
STUDY UNIT
CLASSIFICATION UNIT
LITTLE POWDER STUDY UNIT
CROOK COUNTY
CAMPBELL COUNTY
Croton
ADON FIELD
Little
Cottonwood
Creek
Rawhide Creek
North Fork
South Fork
Garner Lake
GILLETTE
Barber
Horse
R.68W.
T.52N.
T.51N.
R.69W.
R.70W.
R.71W.
T.50N.
R.72W.
R.73W.
T.49N.
R.74W.
R.75W.
R.76W.
R.77W.
BIG HORN NATIONAL FOREST
ISOLATED TRACT CLASSIFICATION
SHERIDAN COUNTY
JOHNSON COUNTY
BUFFALO
LAKE DE SMET
Clear Creek
French Creek
Johnson Creek
Rock Creek
Shell Creek
Piney Creek
Sand Creek
Kearney
Story
R.84W.
R.83W.
R.82W.
T.49N.
T.50N.
T.51N.
T.52N.
T.53N.
T.54N.
N
A — A — LINE — MATCH
LOCATION MAP
ROSEBUD
PRAIRIE
FALLON
CUSTER
POWDER RIVER
SHEET NO 1 OF 3
CARTER
MONTANA
WYOMING
SHERIDAN
SHEET NO 2 OF 3
JOHNSON
CROOK
WASHAKIE
CAMPBELL
SHEET NO 3 OF 3
NATRONA
CONVERSE
108°
107°
106°
105°
104°
47°
46°
45°
44°
43°

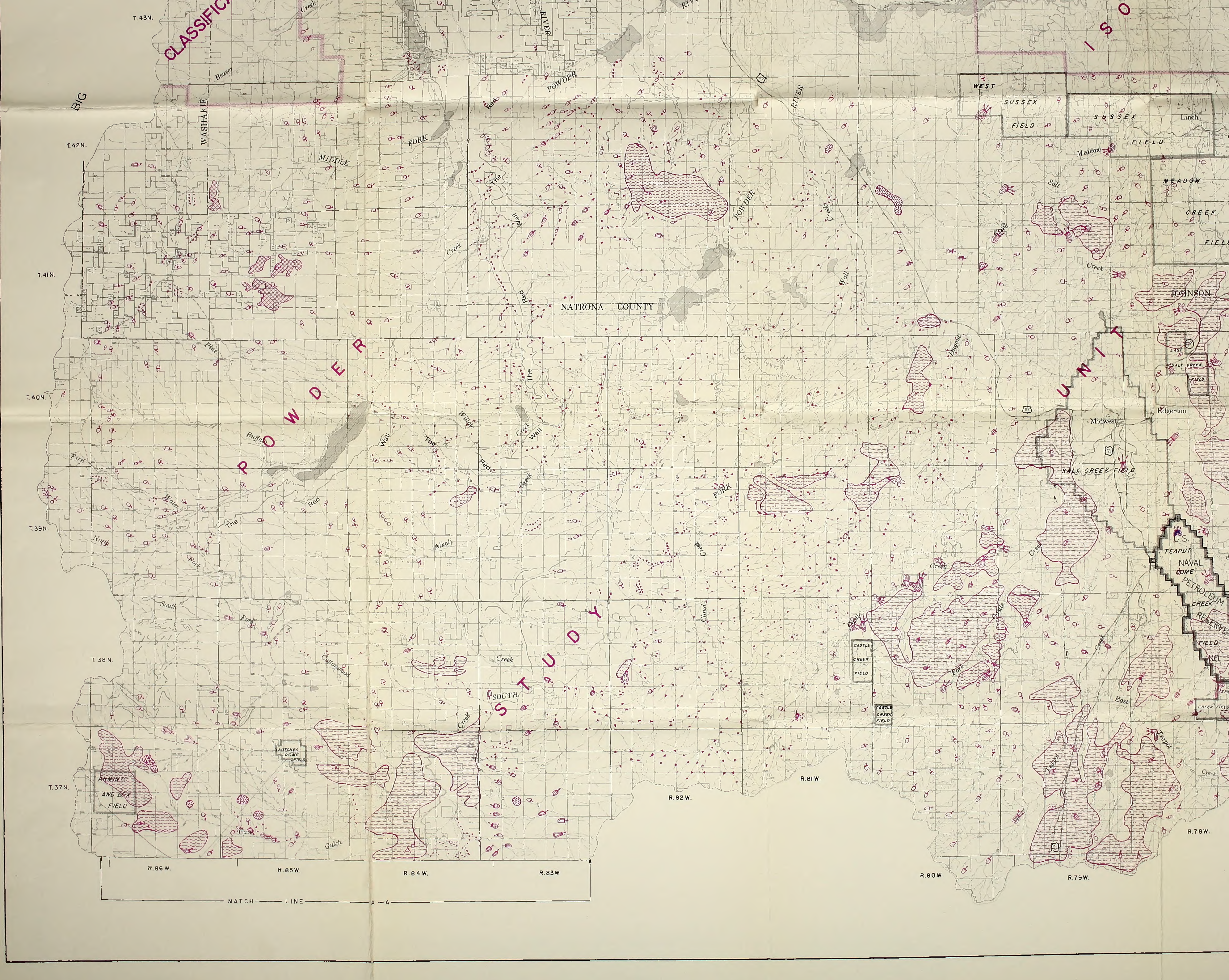
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
AREA 3

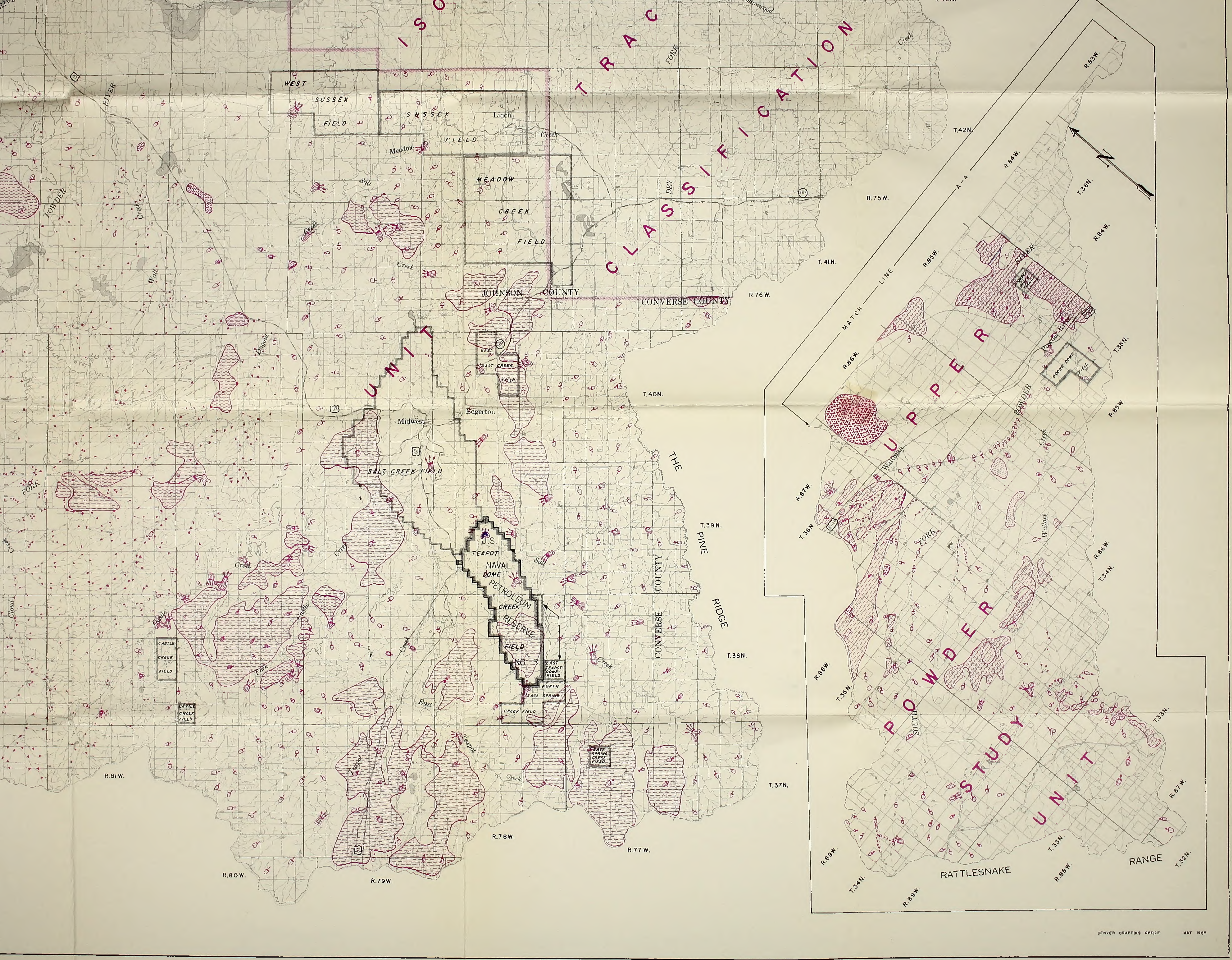
POWDER RIVER BASIN MAP

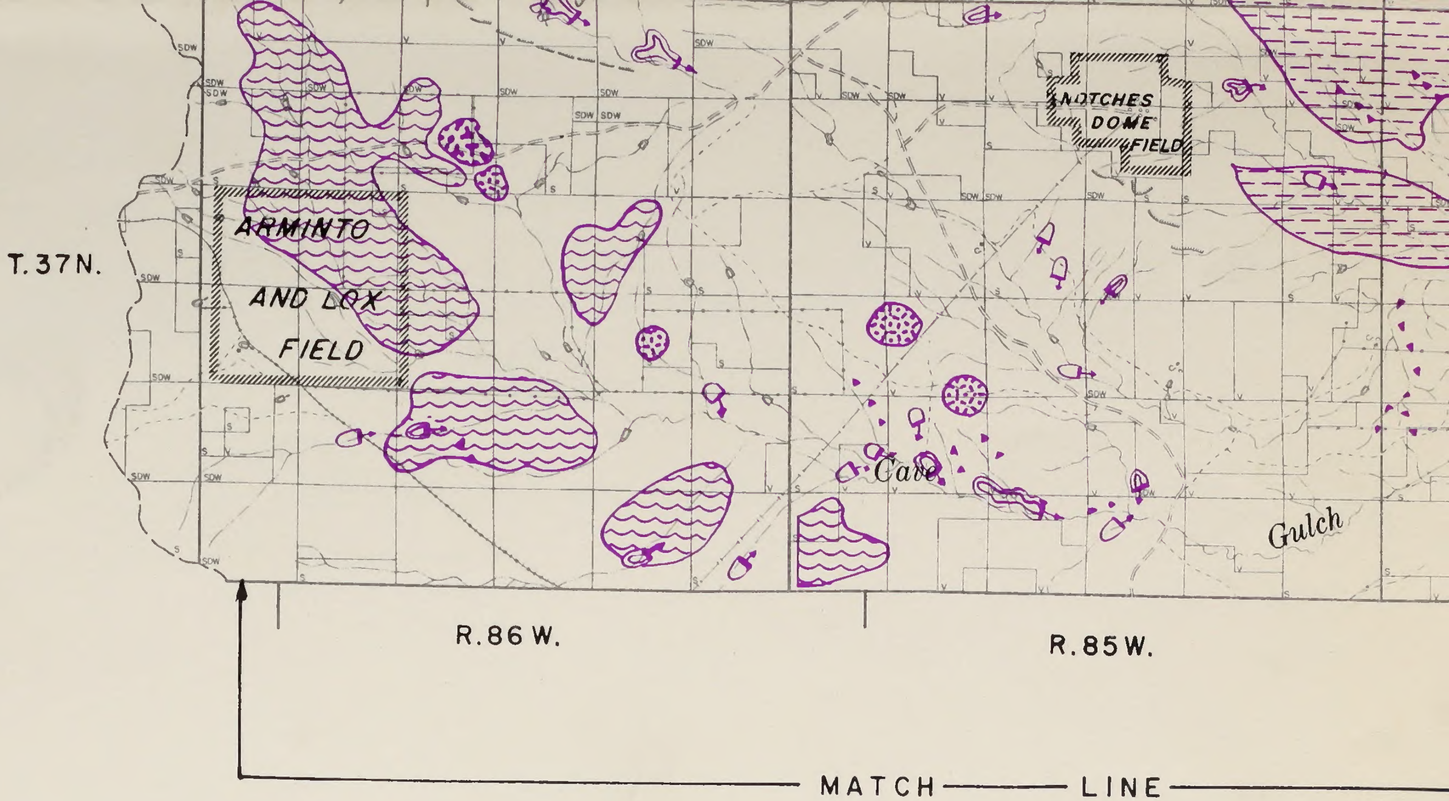
WYOMING
SHOWING
PROPOSED LAND USE AND IMPROVEMENTS
SHEET No. 3 of 3




R.81W.
R.80W.
R.79W.
R.78W.
R.77W.
R.76W.
R.75W.
R.74W.
T.48N.
T.47N.
T.46N.
T.45N.
T.44N.
T.43N.
T.42N.
R.75W.
ISOLATED TRACT CLASSIFICATION
POWDER BREAKS STUDY UNIT
ISOLATED TRACT CLASSIFICATION
ISOLATED TRACT CLASSIFICATION
ISOLATED TRACT CLASSIFICATION
Buffalo Creek
Creek
POWDER RIVER
Beaver
Pumpkin
Creek
Horse Creek
JOHNSON COUNTY
CAMPBELL COUNTY
North Middle South Creek
Prong
Prong
Mile Creek
Willow
RIVER
NORTH FORK FIELD
RIVER
Kaycee
POWDER
RIVER
Sussex
POWDER
Cottonwood
Pumpkin Buttes
DRY FORK
Creek
WEST SUSSEX FIELD
SUSSEX FIELD
Linch
Meadow
Creek
MEADOW CREEK
Salt
RIVER
POWDER
R.83W.
R.84W.
T.36N.
A–A
N
TOPOGRAPHY
Rivers
Lake
Permanent Streams
Intermittent Streams
Canal
Dams
Spring
Spring (Improved)
Well, Water
Artesian Well
Windmill
Corral
Cropland
WORK AND STRUCTURES
Railroad
State Highway (Hard Surface)
U.S. Highway (Hard Surface)
Improved Dirt Road
Unimproved Dirt Road
Trail, Jeep
Airway Beacon Light
Fence
Telephone or Telegraph Line
Power Transmission Line
Pipe Line
BOUNDARIES
Powder River Drainage
State
County
National Forest
Oil Field
RESOURCE DEVELOPMENT AND IMPROVEMENT
Forest Insect Control
Rodent Control
Waterspreading-Dikes
Waterspreading-Contour-Furrows
Sagebrush Eradication
Reseeding
Poison Plant Eradication
Trail
Reservoir
Spring with Trough
Check Dam or Gully Plug
Detention Dam
Boundary of Study Unit


CLASSIFICA
BIG
ISO
T.43N.
T.42N.
T.41N.
T.40N.
T.39N.
T.38N.
T.37N.
Beaver
WASHAKIE
MIDDLE
FORK
POWDER
RIVER
Red
The
Wall
Creek
WEST SUSSEX FIELD
SUSSEX FIELD
Linch
Meadow
MEADOW CREEK FIELD
Salt
NATRONA COUNTY
JOHNSON
EAST SALT CREEK FIELD
Midwest
Edgerton
SALT CREEK FIELD
U.S. NAVAL PETROLEUM RESERVE NO.
TEAPOT DOME
CREEK FIELD
POWDER
STUDY
UNIT
SOUTH
FORK
Buffalo
First
Water
North
Fork
South
Fork
Cottonwood
Alkali
Cloud
Dugout
Castle
CASTLE CREEK FIELD
East
Teapot
HATCHES DOME FIELD
ARMINTO AND COX FIELD
Gulch
R.86W.
R.85W.
R.84W.
R.83W.
R.82W.
R.81W.
R.80W.
R.79W.
R.78W.
MATCH LINE A—A


ISO TRACT CLASSIFICATION UNIT
WEST SUSSEX FIELD
SUSSEX FIELD
MEADOW CREEK FIELD
Linch
Meadow
Salt Creek
Powder River
JOHNSON COUNTY
CONVERSE COUNTY
EAST SALT CREEK FIELD
Midwest
Edgerton
SALT CREEK FIELD
U.S. NAVAL PETROLEUM RESERVE NO. 3
TEAPOT DOME FIELD
EAST TEAPOT DOME FIELD
NORTH SAGE SPRING CREEK FIELD
SAGE SPRING CREEK FIELD
CASTLE CREEK FIELD
Teapot Creek
THE PINE RIDGE
T.42N.
T.41N.
T.40N.
T.39N.
T.38N.
T.37N.
R.75W.
R.76W.
R.77W.
R.78W.
R.79W.
R.80W.
R.81W.
MATCH LINE A–A
N
UPPER POWDER STUDY UNIT
BOONE DOME FIELD
Powder River
South Fork
Waltman
Wallace Creek
RATTLESNAKE RANGE
R.83W.
R.84W.
R.85W.
R.86W.
R.87W.
R.88W.
R.89W.
T.36N.
T.35N.
T.34N.
T.33N.
T.32N.
187
20
DENVER DRAFTING OFFICE
MAY 1985


T.37N.
ARMINTO AND LOX FIELD
NOTCHES DOME FIELD
Cave Gulch
SDW
S
V
R.86 W.
R.85 W.
MATCH LINE